

1918

# BICYCLE ACCESSORIES



*"The Interests of the Dealers  
Are Our Interests."*

WHOLESALE ONLY

WESTON  
ONT

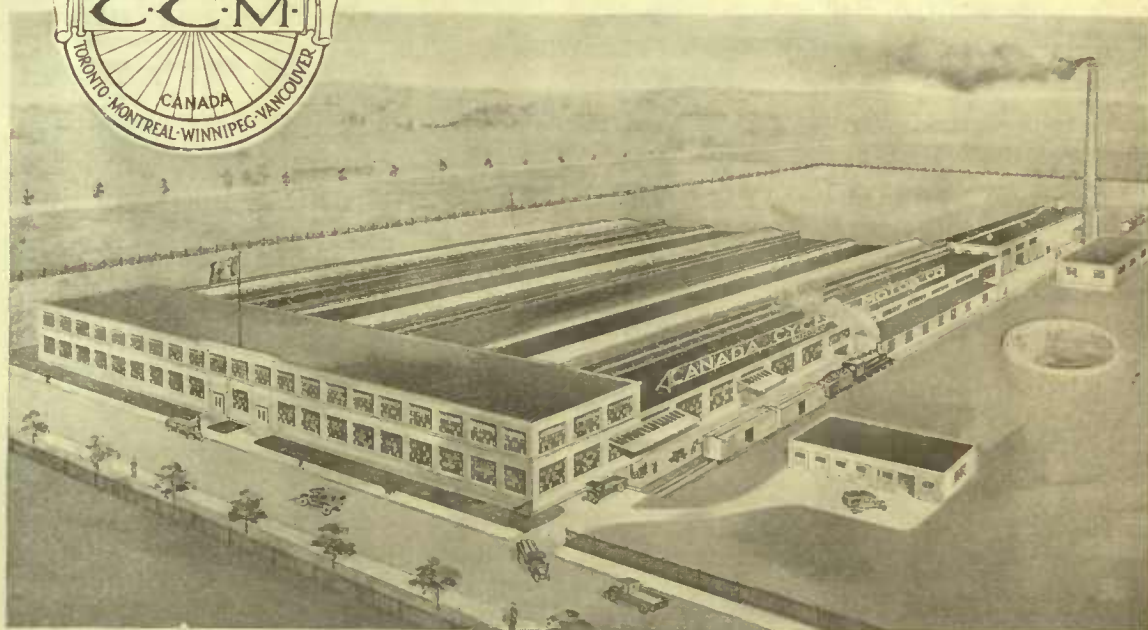
TORONTO  
MONTREAL  
WINNIPEG  
VANCOUVER





# BICYCLE ACCESSORIES AND REPAIR SUPPLIES

BICYCLES  
MOTORCYCLE ACCESSORIES  
MOTOR ACCESSORIES

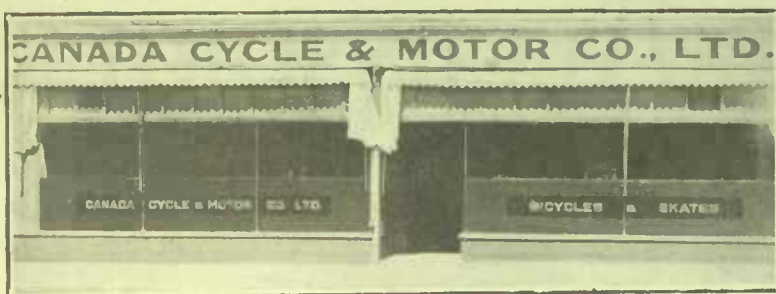


Since the above photograph was taken a large addition has been made to this Weston plant. Total floor space is 110,000 square feet.

Canada Cycle and Motor Company  
LIMITED

MONTREAL TORONTO WESTON WINNIPEG VANCOUVER





Canada Cycle and Motor Co., Limited, Vancouver, B.C.

Area, 9,000 square feet.

## WHEN ORDERING

**P**LEASE write plainly, giving catalogue numbers and descriptions. Always state how you wish us to ship, either by freight, express or parcel post. Unless these instructions are given we reserve the right to use our own judgment in making shipment.

## PRICES

F.O.B. Factory or nearest Branch. All prices in this catalogue are based on delivery as follows:

Provinces of Quebec, New Brunswick, Nova Scotia and Prince Edward Island, F.O.B. Montreal.

Province of Ontario, as far West as Fort William, F.O.B. Weston, Ont.

Points in Ontario West of Fort William, also Provinces of Manitoba, Saskatchewan and Alberta, F.O.B. Winnipeg.

Province of British Columbia, F.O.B. Vancouver.

## TERMS

15 days from date of shipment. Strictly net. Interest at 7% charged on all overdue accounts.

Collection by Bank Draft unless otherwise arranged.

All prices are subject to change without notice.

## GUARANTEE

We endeavour to represent each article catalogued exactly as it is.

All goods of our own manufacture, or which bear our guarantee, are subject to replacement should they prove defective. We will pay transportation charges one way on defective goods returned for replacement.



Canada Cycle and Motor Co., Limited, Montreal

Total of 15,209 square feet occupied by Montreal Branch.

## BACK ORDERS

We endeavour at all times to keep a stock of every article listed in this catalogue, but in these War times, with shortages of material and labor and delays in transportation, it may occasionally happen that we are temporarily out of stock on certain items.

Any such items which we back order will be sent forward with the next goods, or if there is sufficient weight to make a separate shipment they will be forwarded as soon as received.

Kindly note that we do not prepay transportation charges on back orders.

## PACKING CHARGES

Packing cases are charged at cost, and we will gladly credit any cases which are returned to us, charges prepaid.

688.76602

C11.3



## SHORTAGE AND DAMAGE CLAIMS

We endeavour to pack carefully. Any claims for shortages should be made within five days from receipt of goods.

If shipment is delivered in a damaged condition by the Transportation Company, do not sign for shipment and make a verbal claim, as in this way you give the Transportation Company a clear receipt. Before signing, write on the Transportation Company's receipt that the shipment is in a damaged condition. Then place your claim with the Transportation Company for the amount of damage and we will be glad to render every assistance possible in helping to collect your claim.

## FIRST CLASS FREIGHT RATE ON BICYCLE TIRES

Bicycle tires are entitled to first class freight rate, but are frequently charged at  $1\frac{1}{2}$  times first class rate. This is because tires other than Bicycle take the higher rate in the classification. Bicycle tires, however, are entitled to a rating of first class.

Please check over freight bills carefully and apply for refund in case of overcharge.

## RETURN OF GOODS

Goods properly shipped on bona fide orders will not be accepted for credit, unless arrangement is first made with us for return of same and will be subject to discount unless received in as good condition as when shipped from here.

Goods made to order or ordered specially will not be accepted for credit.

## PUT YOUR NAME ON RETURN GOODS

When returning goods, please make sure that your name is plainly marked on the return tag. Also write us the day the goods are returned, giving full particulars. We frequently have a number of shipments of returned goods on hand with nothing whatever to indicate from whom they came.

## TELEGRAPH AND TELEPHONE CHARGES

We cannot accept collect telephone or telegraph charges. If through some error of ours a telegram or telephone conversation is necessary we will issue credit for the cost of the message in the regular way.

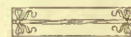


Canada Cycle and Motor  
Co., Limited  
Winnipeg, Manitoba

Area, 10,000 square feet.

## WAR CLAUSE

All orders and contracts are accepted only contingent on strikes, accidents and delays of carriers, and subject to change in price or cancellation (with or without notice) depending upon War conditions or causes beyond the control of the Canada Cycle and Motor Company, Limited.



## Your Interests are Ours

**T**HE constant aim of this Company is to give the very best service possible.

We are satisfied when everything is right—but not until then.

We value the orders of small dealers, and give them the same careful attention as large orders. A very large proportion of our business is made up of such comparatively small orders.

"The dealer's interests are our interests."



## Announcing the 1918 Models of C. C. M. BICYCLES

**O**N the following pages we illustrate and describe the various 1918 models in the principal C.C.M. nameplate lines.

We introduce this year two new models, a sturdy Road Racer, Model "T," and a Motorbike type, Model "W."

These are handsomely finished in rich dark green with Gold Sunburst Head and gold stripe, or, as an option, in Road Cart Red with Green Sunburst Head and green stripe.

Other models are finished in rich Glossy Black enamel with the exception of the Red Bird, which is finished in Maroon.

*The following additional colors and stripings may be had at a reasonable additional cost:*

- No. 1—Black with Green and Gold stripe.
- No. 2—Black with a Red Head.
- No. 3—Maroon only
- No. 4—Maroon and Gold stripe.
- No. 5—French Grey with Green and Red stripe.
- No. 6—French Grey with Blue Sunburst Head, Blue and Gold stripe.
- No. 7—French Grey with Red Sunburst Head, Red with Gold stripe.
- No. 8—Road Cart Red with Green stripe.
- No. 9—Green with a Gold stripe.
- No. 10—Green with a Gold Sunburst Head and Gold stripe.

*The only difference between Grade "A" and Grade "B" models is in the equipment. The frames and every other part of the bicycle are exactly the same in both models.*

*When shipping one bicycle we recommend that it go forward by Express, as on this weight the Express charge is usually little, if any, higher than the Freight charge would be, and the Express service of course is much quicker.*

*Agencies:* Each C.C.M. nameplate bicycle is sold only to one Agent in each District. Write for dealers' prices if they are not already represented in your locality.



## *Guaranteed* **Massey Bicycles**



**Massey Men's Roadster, model 356, 20", 22", 24" or 26" frame.** Retail list, net ..

**Massey Ladies' Roadster, model 355, 20" or 22" frame.** Retail list, net .....

**Massey Men's Roadster, model 358 ("B" grade equipment), 20", 22", 24" or 26" frame.** Retail list, net .....

**Massey Ladies' Roadster, model 357 ("B" grade equipment), 20" or 22" frame.** Retail list, net .....

**Massey Juvenile, Boys' or Girls', 17 1/4" frame.** Retail list, net .....

**Massey Racer, model "T," 20", 22" or 24" frame.** Retail list, net .....

**Massey Motor Blke, model "W," 22" frame.** Retail list, net .

The Express charge on one bicycle is not usually in excess of the Freight charge. We recommend having one bicycle forwarded by Express in all cases.

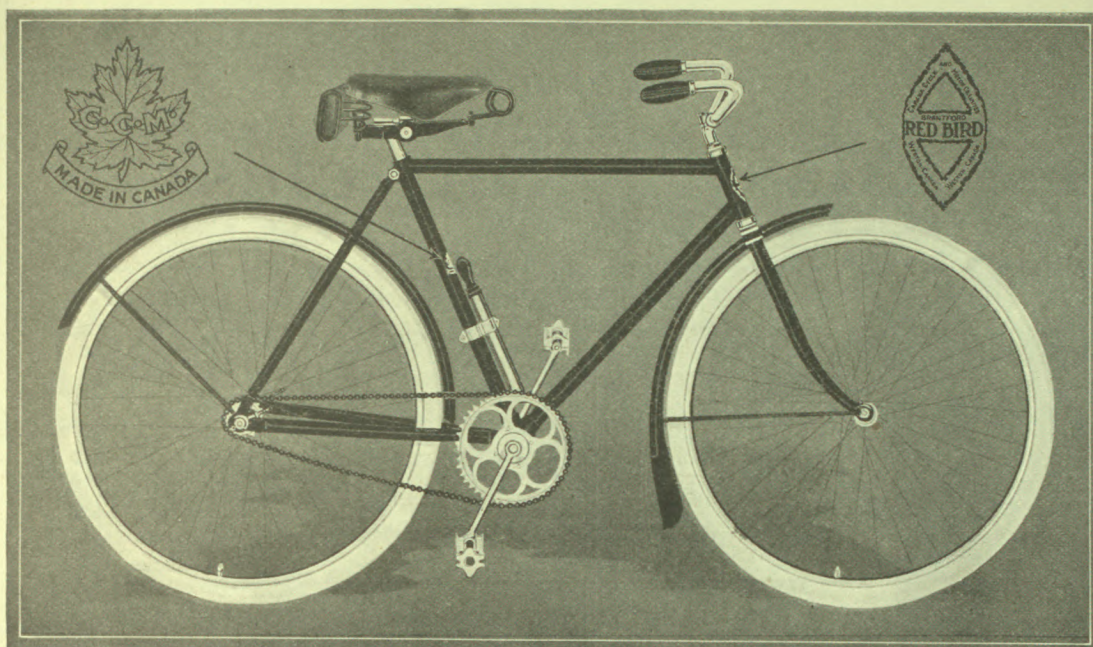
NOTE.—These bicycles are sold only to one Agent in each District. Write for dealers' prices if they are not being sold in your Locality.

Columbia, Gendron and Ivanhoe Bicycles are also supplied in a similar range of models.



"The Dealers' Interests Are Our Interests."





## Guaranteed Brantford Red Bird Bicycles



**Red Bird Men's Roadster, model 556, 20", 22", 24" or 26" frame. Retail list, net..**

**Red Bird Ladies' Roadster, model 555, 20" or 22" frame. Retail list, net .....**

**Red Bird Men's Roadster, model 558 ("B" grade equipment), 20", 22", 24" or 26" frame. Retail list, net .....**

**Red Bird Ladies' Roadster, model 557 ("B" grade equipment), 20" or 22" frame. Retail list, net .....**

**Red Bird Racer, model "T," 20", 22" or 24" frame. Retail list, net .....**

**Red Bird Motor Bike, model "W," 22" frame. Retail list, net .....**

**Red Bird Juvenile Boys' or Girls', 17 1/4" frame. Retail list, net .....**

The Express charge on one bicycle is not usually in excess of the Freight charge. We recommend having one bicycle forwarded by Express in all cases.

NOTE.—These bicycles are sold only to one Agent in each District. Write for dealers' prices if they are not being sold in your Locality.

Columbia, Gendron and Ivanhoe Bicycles are also supplied in a similar range of models.





## *Guaranteed* "Perfect" Bicycles



Perfect Men's Roadster, model 656, 20", 22", 24" or 26" frame. Retail list, net

Perfect Ladies' Roadster, model 655, 20" or 22" frame. Retail list, net ...

Perfect Men's Roadster, model 658 ("B" grade equipment), 20", 22", 24" or 26" frame. Retail list, net .....

Perfect Ladies' Roadster, model 657 ("B" grade equipment), 20" or 22" frame. Retail list, net .....

Perfect Juvenile, Boys' or Girls', 17 1/4" frame. Retail list, net .....

Perfect Motor Bike, model "W," 22" frame. Retail list, net .....

Perfect Racer, model "T," 20", 22" or 24" frame. Retail list, net .....

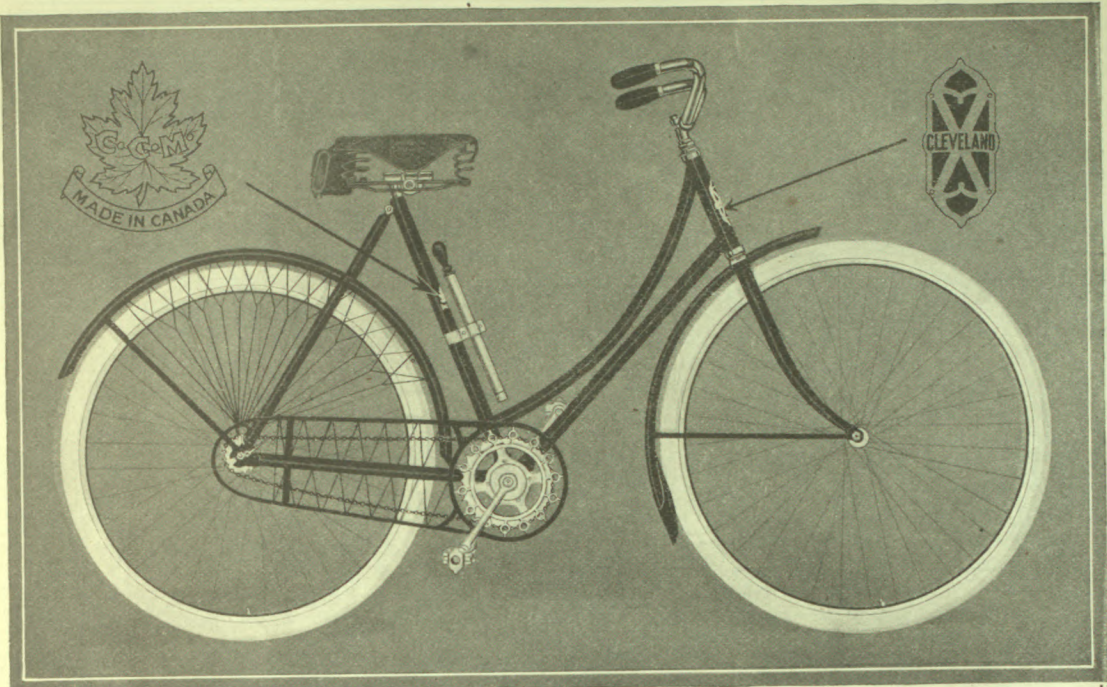
The Express charge on one bicycle is not usually in excess of the Freight charge. We recommend having one bicycle forwarded by Express in all cases.

NOTE.—These bicycles are sold only to one Agent in each District. Write for dealers' prices if they are not being sold in your Locality.

Columbia, Gendron and Ivanhoe Bicycles are also supplied in a similar range of models.







## Guaranteed Cleveland Bicycles



- Cleveland Men's Roadster, model 456, 20", 22", 24" or 26" frame.** Retail list, net ..
- Cleveland Ladies' Roadster, model 455, 20" or 22" frame.** Retail list, net ..
- Cleveland Men's Roadster, model 458 ("B" grade equipment), 20", 22" or 26" frame.** Retail list, net ..
- Cleveland Ladies' Roadster, model 457 ("B" grade equipment), 20" or 22" frame.** Retail list, net ..
- Cleveland Juvenile, Boys' or Girls', 17 1/4" frame.** Retail list, net ..
- Cleveland Racer, model "T," 20", 22" or 24" frame.** Retail list, net ..
- Cleveland Motor Bike, model "W," 22" frame.** Retail list, net ..



The Express charge on one bicycle is not usually in excess of the Freight charge. We recommend having one bicycle forwarded by Express in all cases.

NOTE.—These bicycles are sold only to one Agent in each District. Write for dealers' prices if they are not being sold in your Locality.

Columbia, Gendron and Ivanhoe Bicycles are also supplied in a similar range of models.



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# Repairs Price List

## 1918 Prices for Enamelling and Nickelling

When Bicycle Complete is Delivered to Us.

	C.C.M. make.	Other makes.
To be enamelled black, including Guards and Rims refinished, all nickelled parts re-plated, supplying new spokes and grips .....	\$24.90	\$29.80
Colors other than black, extra .....	1.40	1.70
Striping extra .....	1.40	1.70
To be enamelled black and all parts re-plated, with the exception of hubs and spokes .....	15.80	19.20
To be enamelled black .....	9.10	11.05
To be enamelled in colors other than black .....	10.50	12.75
To be enamelled black with striping...	10.50	12.75
To be enamelled in color and striped..	11.90	14.45

Note.—Any parts which we find badly worn when overhauling bicycles will be replaced by us, unless otherwise advised, and charged for at trade prices.

Handle Bars and Stem to be nickelled and new Grips supplied .....	\$2.30	\$2.30
Handle Bars and Stem to be nickelled, without new Grip supplied .....	1.80	1.80
Cranks nickelled .....	1.80	1.80
Hubs complete, nickelled and new spokes fitted .....	7.40	7.40
Front Sprockets .....	1.40	1.40
Nickelling all parts, less hubs and spokes, when bicycle complete is delivered to us .....	12.60	15.30
Nickelling all parts when parts only are delivered to us .....	8.40	10.20
Nickelling all parts (including hubs) and fitting new spokes, when bicycle complete is delivered to us.....	19.00	22.70

When Frame and Fork or Rims only are Delivered to Us.

Frame and Fork to be enamelled .....	\$2.50	\$2.50
Frame and Fork to be enamelled in color other than black .....	3.50	3.50
Striping on black or colors, extra ...	1.00	1.00
Fork enamelled .....	1.00	1.00
Rims scraped and enamelled .....	2.10	2.60

## 1918 Prices for Frame and Fork Repairing

For Frame to be cut down and Frame and Fork enamelled black .....	\$11.90	\$14.50
For one Tube in diamond frame and enamelling Frame and Forks black...	9.70	10.40
For two Tubes in diamond frame and re-enamelling Frame and Forks black	10.40	12.20
For three Tubes in diamond frame and re-enamelling Frame and Fork black	12.80	14.90
For one rear upper or lower Tube and re-enamelling Frame and Fork black...	9.20	11.00
For two rear upper or lower Tubes and re-enamelling Frame and Fork black	10.70	12.70
For three rear upper or lower Tubes and re-enamelling Frame and Fork black.	12.90	15.20

	C.C.M. make.	Other makes.
For four rear upper or lower Tubes and re-enamelling Frame and Forks black.	\$14.40	\$16.80
For Frame head and re-enamelling Frame and Fork black .....	9.90	11.70
Saddle Bracket and re-enamelling Frame and Fork black .....	8.80	10.70
Frame truing .....From \$1.40 to	6.00	
For Frame Head upper or lower connection and re-enamelling Frame and Fork black .....	8.15	10.15
For curved bar in ladies' frame and re-enamelling Frame and Fork black..	9.00	10.90
For Frame Head upper and lower connection and re-enamelling Frame and Fork black .....	9.60	12.10
For crank bracket and re-enamelling Frame and Fork black .....	12.50	15.00

Note.—The above prices apply when Frame and Fork only are delivered to us. If complete bicycle is sent in, an additional charge of \$4.20 for C.C.M. bicycles, and \$5.10 for other makes, will be made to cover the cost of tearing down and setting up same.

For new Fork Stem and re-enamelling Fork black .....	\$4.10	\$4.90
For new Fork Stem and re-enamelling black and nickelling Crown .....	4.80	5.80
For new Fork Stem and re-enamelling black and nickelling Crown and tips.	6.20	7.40
For splicing Fork Stem .....	2.80	3.10
For one Fork side and re-enamelling black .....	4.00	4.70
For one Fork side and re-enamelling black and nickelling Crown .....	4.70	5.55
For one Fork side and re-enamelling black and nickelling Crown and tips	6.40	7.60
For two Fork sides and re-enamelling black .....	5.10	5.90
For two Fork sides and re-enamelling black and nickelling Crown .....	5.30	6.30
For two Fork sides and re-enamelling black and nickelling Crown and tips.	7.20	8.40
For one Fork tip and re-enamelling black .....	2.30	2.80
For one Fork tip and re-enamelling black and nickelling Crown .....	3.00	3.60
For one Fork tip and re-enamelling black and nickelling Crown and tips.	3.70	4.50
For two Fork tips and re-enamelling black .....	3.20	3.80
For two Fork tips and re-enamelling black and nickelling Crown .....	3.90	4.70
For two Fork tips and re-enamelling black and re-nickelling Crown and tips	4.60	5.50
For one Fork Crown and re-enamelling black .....	4.30	5.30
For one Fork Crown and re-enamelling black and nickelling Crown .....	5.20	6.10
For one Fork Crown and re-enamelling black and nickelling Crown and tips..	6.20	7.40
Fork Truing .....From \$1.40 to	3.40	

## SPECIAL NOTICE

We cannot possibly handle repairs or returns without a letter of instructions, as to take a chance might cause annoyance as well as expense.

"The Dealers' Interests Are Our Interests."

# Parts Price List

Always Give Model Number of Bicycle When Ordering

Cleveland, Massey, Brantford Red Bird, Perfect, Gendron, Ivanhoe and Columbia Bicycles using "C.C.M." Hangers, 1916, and Model "T" Hangers, 1917-18 Also Hanger Parts Previous to 1916.

## CLEVELAND CRANK BRACKET PARTS.

Models No. 114, 115, 123, 124, 126, 127, 128, 133, 134, 135, 136, 137, 143, 144, 145, 146, 147, 148, 402, 403, 404, 405, 406, 412, 414, 415, 416, 422, 433, 434, 435 and 436, fitted with C.C.M. Hanger.

Models No. 455, 456, 457 and 458, fitted with "T" Hanger.

Crank Bracket Axle with stationary cone, assembled	Each	\$2.60
Crank Bracket Stationary Cone	Each	0.50
Crank Bracket Adjusting Cone	Each	0.50
Crank Bracket Ballcages (No. 322), less balls, 5/16 balls used	Doz.	2.08
Crank Bracket Adjusting Cone Locknut	Each	0.24
Crank Bracket Adjusting Cone Lockwasher	Each	0.04
Cranks, right	Each	1.70
Cranks, left	Each	1.70
Crank Jamb Nut, right	Each	.10
Crank Jamb Nut, left	Each	.10
Sprocket (state what pitch and number of teeth).	Each	2.50
Sprocket Bolt (four used)	Doz.	.48
Sprocket Bolt Nuts (four used)	Doz.	.24
Steel Balls, $\frac{5}{16}$ used (7 balls used in each cage)	Gross	2.40
Coupler and Ball Case (solid), used on Models 433, 434, 435, 436	Each	3.00
Ballcase Collar, used on Models 433, 434, 435, 436	Each	.04
Ballcase Cup (press-in style), used on Models from 114 to 422	Each	.50
Right Cup (black finish), used 1917-8 Model T.	Each	.70
Left Cup (nickel-plated finish), 1917-8 Model T.	Each	.70
*Crank Bracket Clamp Bolt	Each	.20
*Crank Bracket Clamp Bolt Nut	Each	.10

\*Used on all Models except 455, 456, 457 and 458.

## BRANTFORD CRANK BRACKET PARTS.

Models No. 66A, 66B, 77A, 77B, 68A, 68B, 69A, 69B, 70A, 70B, 71A, 504, 506, 514, 516 and 522, fitted with old Brantford Crank Hangers.

Crank, right	Each	\$3.00
Crank, left	Each	2.50
Crank Bracket Axle	Each	3.00
Crank Bracket Cup, right	Each	1.00
Crank Bracket Cup, left	Each	1.00
Crank Bracket Cup Coupler	Each	.90
Steel Balls, $\frac{5}{16}$ " used	Gross	2.40
Crank Jamb Screws, left	Each	.20
Crank Jamb Screws, right	Each	.20
Crank Sprocket (state what pitch and number of teeth)	Each	2.50
Crank Sprocket Bolt (four used)	Doz.	.48

## Brantford Crank Bracket Parts—(Continued).

Crank Sprocket Bolt Nut (four used)	Doz.	.24
*Crank Bracket Clamp Bolt	Each	.20
*Crank Bracket Clamp Bolt Nut	Each	.10

\*Used on all models except 555, 556, 557 and 558.

NOTE.—Models No. 503, 505, 515, 533, 534, 535, 536 fitted with C.C.M. Hanger. Models 555, 556, 557 and 558 fitted with "T" Hanger.

Prices on these are the same as listed under "Cleveland" on this page.

## MASSEY CRANK BRACKET PARTS.

Models A, A1, 43, 44, 46, 53, 56, 64, 83, 84, 85, 86, 87, 302, 303, 304, 305, 312, 314, 316, 322, fitted with old Massey Crank Hanger.

Crank, right	Each	\$4.00
Crank, left	Each	3.00
Crank Bracket Sleeve	Each	2.80
Crank Bracket Cup, right	Each	1.00
Crank Bracket Cup, left	Each	1.00
Crank Bracket Cup Coupler	Each	.90
Crank Bracket Ballcage, less balls (No. 322), $\frac{5}{16}$ balls used	Doz.	2.08
Steel Balls, $\frac{5}{16}$ "	Gross	2.40
Crank Sprocket (state what pitch and number of teeth)	Each	2.50
Crank Sprocket Bolt (four used)	Doz.	.48
Crank Sprocket Bolt Nut (four used)	Doz.	.24
*Crank Bracket Clamp Bolt	Each	.20
*Crank Bracket Clamp Bolt Nut	Each	.10

\*Used on all models except 355, 356, 357 and 358.

NOTE.—Models 305, 306, 315, 333, 334, 335, 336, fitted with C.C.M. Hanger. Models 355, 356, 357 and 358, fitted with "T" Hanger.

## PERFECT CRANK BRACKET PARTS.

Models 60, 61, 62, 63, 64P, 65P, 66P, 67P, 604, 606.

Single-piece Cranks	Each	\$5.00
Crank Bracket Cup, right	Each	1.00
Crank Bracket Cup, left	Each	1.00
Crank Bracket Stationary Cone	Each	.50
Crank Bracket Adjusting Cone	Each	.50
Crank Bracket Adjusting Cone Lock Nut	Each	.24
Crank Bracket Adjusting Cone Lock Washer	Each	.04
Crank Bracket Ball Retainer Washer	Each	.06
Steel Balls, $\frac{5}{16}$ "	Gross	2.40
Crank Sprocket Bolt (four used)	Doz.	.48
Crank Sprocket Bolt Nut (four used)	Doz.	.24
Crank Sprocket (state what pitch and number of teeth)	Each	2.50

NOTE.—Models No. 633, 634, 635, 636, fitted with C.C.M. Hanger. Models No. 655, 656, 657, 658, fitted with "T" Hanger.

Prices Subject to Change Without Notice.



## Parts Price List (Continued)

### FRAME PARTS.

Cushion Frame (stripped), less Rear, Lower and Upper .....	Each	\$18.00
Cushion Frame (stripped), with Rear Forks assembled .....	Each	30.00
Rigid Frame (stripped) .....	Each	20.00
Frame Head .....	Each	1.50
Frame Head Connection .....	Each	.30
Front Fork .....	Each	5.00
Front Fork Stem .....	Each	.60
Front Fork Crown .....	Each	.80
Front Fork Side .....	Each	.80
Frame Front Lower Tube .....	Each	1.00
Frame Upright Tube .....	Each	1.00
Frame Top Tube .....	Each	1.00
Frame Saddle Bracket .....	Each	.90
Frame Rear Upper Tube .....	Each	.80
Frame Rear Lower Tube .....	Each	.80
Frame Rear Tube Brace .....	Each	.20
Frame Rear End .....	Each	.20
Frame Rear Tube Plug .....	Each	.24
Frame Crank Bracket, Malleable .....	Each	1.80
Chain Adjusting Screw .....	Each	.08
Chain Adjusting Screw Clip (Yoke) .....	Each	.08
Chain Adjusting Screw Nut .....	Each	.02
Frame Head Upper Cup .....	Each	.36
Frame Head Lower Cup .....	Each	.36
Frame Head Upper Adjusting Cone .....	Each	.48
Frame Head Stationary Cone .....	Each	.20
Frame Head Adjusting Cone Lock Nut .....	Each	.30
Frame Head Adjusting Cone Lock Nut Washer, .....	Each	.04
Frame Head Ball Cage (less balls) .....	Each	.10
Frame Head Ball Retainer Washer (used on old models where no Ball Cage was fitted). Each		.04
Frame Nameplate (for any C.C.M. high grade model) .....	Each	.60
Frame Nameplate Backs .....	Each	.20
Frame Nameplate Rivets .....	Per 100	.40
Frame Seat Post. See Accessories.		
Frame Seat Post Expander for Hygienic .....	Each	.90
Frame Seat Post Expander Bushing, long .....	Each	.16
Frame Seat Post Expander Bushing, short .....	Each	.16
Frame Seat Post Expander Sleeve .....	Each	.30
Frame Seat Post Expander Nut .....	Each	.30
Handlebar Post, complete. See page 34.		
Handlebar Post Expanding Bolt. See page 35.		
Handlebar Post Expander. See page 35.		
Handlebar Post (stripped), less Bolt and Nut. See page 35.		
Seat Post Bolt .....	Each	.14
Seat Post Nut .....	Each	.16

### HYGIENIC FRAME AND HANDLEBAR PARTS.

Rear Upper Fork, complete .....	Each	\$8.50
Rear Upper Fork, stripped .....	Each	5.50
Rear Upper Arch Crown and Tube .....	Each	2.00
Rear Lower Fork .....	Each	6.00
Dust Cap and Head .....	Each	1.00
Dust Cap Head Screws .....	Each	.02
Plunger Tube .....	Each	.50
Cartridge .....	Each	.40
Brass Bushing .....	Each	.80
Steel Washer .....	Each	.04

### Hygienic Frame and Handlebar Parts—(Continued)

Leather Washer .....	Each	\$0.02
Springs Nos. 1, 2, 3, 4, 5, 6 .....	Each	.50
Rear Lower Crown, Hygienic .....	Each	.80
Rear Lower Spring Bolt .....	Each	.10
Rear Lower Spring Bolt Nut .....	Each	.04
Rear Lower Flat Spring, short .....	Each	.20
Rear Lower Flat Spring, long .....	Each	.20
Rear Lower Flat Spring Rivet .....	Per doz.	.12
Rear End Connecting Bolt .....	Each	.06
Rear End Connecting Bolt Nut .....	Each	.02
Rear End Bushing .....	Each	.06
Saddle Bracket Binder Bolt .....	Each	.14
Saddle Bracket Binder Bolt Nut .....	Each	.16

### SIBBS' HANDLE BAR PARTS.

Handle Bar Post, stripped .....	Each	\$2.50
Handle Bar Post Clamp .....	Each	1.00
Handle Bar Post Clamp Bolt .....	Each	.20
Handle Bar Post Clamp Bolt Nut .....	Each	.12
Handle Bar Post Hinge Bolt .....	Each	.10
Handle Bar Post Hinge Bolt Nut .....	Each	.10
Handle Bar Post Hollow Bolt .....	Each	.50
Handle Bar Post Plunger .....	Each	.24
Handle Bar Post Spring .....	Each	.20
Handle Bar Post Expander .....	Each	.16

### No. 10 HUB PARTS.

Front Hub (stripped) Shell .....	Each	\$0.90
Front Axle .....	Each	.30
Front Axle Cone .....	Each	.30
Front Hub Cup (screw-in cups), old style .....	Each	.20
Front Hub Ball Cage (less balls) .....	Doz.	1.32
Front Hub Axle Washer .....	Each	.02
Front Hub Axle Nut .....	Each	.06
Front Hub Cup Lock Ring (or Nut) (used on old Massey and Brantford front hubs only) .....	Each	.20
Front Hub Cup Lock Washer (old style) .....	Each	.04
Front Hub Oiler .....	Each	.14
Front Hub Dust Shield (old style) .....	Each	.04
Rear Hub (stripped) Shell .....	Each	1.50
Rear Hub Axle .....	Each	.32
Rear Hub Cone .....	Each	.44
Rear Hub Nut .....	Each	.06
Rear Hub Washer .....	Each	.04
Rear Hub Cup (press-in style) .....	Each	.16
Rear Hub Cup (screw-in style) .....	Each	.30
Rear Hub Cup Lock Ring (old style) .....	Each	.20
Rear Hub Cup Lock Washer .....	Each	.04
Rear Hub Ball Cage (less balls) .....	Each	.14
Rear Hub Dust Shield (old style) .....	Each	.12
Rear Hub Oiler .....	Each	.14
Rear Hub Sprocket .....	Each	.80
Rear Hub Sprocket Lock Nut .....	Each	.50
Rear Hub Sprocket Lock Nut Washer .....	Each	.50

### C.C.M. MOTORCYCLE PARTS.—

Owing to war conditions we cannot now obtain Motosacoche Engine parts (C.C.M. Motorcycle) from Switzerland. Therefore our stock is not complete. In ordering these parts always send sample, and if we have duplicates we will fill your order.



## Advertising Caps and Pennants

**I**N response to requests from a number of dealers who prefer this form of advertising, we can now supply the excellent lines listed below.

By purchasing these in large quantities and bearing part of the cost ourselves, we can offer them at prices which bring them within the reach of every dealer, and at only a fraction of what they would cost in small quantities.

### Advertising Caps

Well made, from very heavy weight of white cotton, with oilcloth sweatband and green-lined visor or peak. Furnished only in bundles of 50, each bundle containing an assortment of sizes suitable for boys, youths and men. Very neatly lettered and designed for Brantford Red Bird, Cleveland, Columbia, Gendron, Ivanhoe, Massey or Perfect nameplates. When ordering state which nameplate wanted.

No. 581—Cleveland	No. 584—Perfect
No. 582—Massey	No. 585—Columbia
No. 583—Red Bird	No. 586—Gendron
No. 587—Ivanhoe	

Per bundle of 50 assorted sizes. (We do not break bundles.) Price .. 76¢ .. Each



### Advertising Pennants



Neatly designed on richly colored cotton felts, with name and trade mark of Brantford Red Bird, Cleveland, Columbia, Gendron, Ivanhoe, Massey or Perfect nameplates. When ordering state which nameplate wanted. Size 9" x 18" allows pennant to fit inside the frame of all boys' juvenile bicycles, while extra long ties accommodate them to the largest men's frames.

No. 1633—Cleveland	No. 1636—Perfect
No. 1634—Massey	No. 1637—Columbia
No. 1635—Red Bird	No. 1638—Gendron
No. 1639—Ivanhoe	

Packed in bundles of 25 pennants. (We do not break bundles.) Price ... 81¢ .. Each

### Adjusters, Chain



Banjo



C.C.M.

(Made in Our Own Factory)

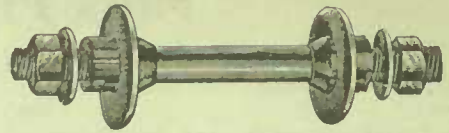
No. 200—Banjo (½ gross in box) .. Per doz. pair 4/06  
 No. 221—C.C.M. (less clip) .. Per doz. pair 7/58  
 No. 222—Clip only .. Each 7/06

### Axles, Hub, Front and Rear



No. 201—Front. Size 5" x 5/16", 24 thread. (25 in box) .. Per doz. 8/06  
 No. 211—Front. Size 5" x 5/16", 26 thread. Fit English front hubs. (25 in box.) .. Per doz. 8/06  
 No. 202—Rear. Size 6 1/4" x 3/8", 24 thread. (25 in box) .. Per doz. 8/06

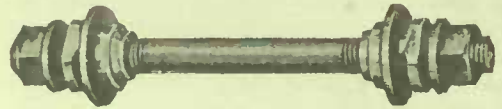
## Axle Sets, Hub Complete



No. 204

Complete with drive-fit steel washers on cone, which may be turned down to any size desired.

No. 204—Front Axles, 5" x 5/16" .. 6/30 .. Each  
 No. 205—Rear Axles, 6 1/4" x 3/8" .. 6/38 .. Each  
 No. 210—Front Axle Set, for English hubs .. Each 6/30



No. 206

(Made in Our Own Factory)

No. 206 (10)—Front Axle Set, 5/16" x 24 thread. (Small cone diameter 7/8") .. Each 8/52

Small cone plated, but not buffed.

No. 207 (10 and 25)—Front Axle Set, 5/16" x 24 thread. (Large cone diameter 1 3/16") .. Each 8/52  
 Used on C.C.M. Bicycles. (See note.)

Used on 1917 No. 1047 (25) Front Hub.

No. 225 (25)—Front Axle Set, 5/16" x 24 thread, with new cone No. 224 used on 1918. No. 1047 (25) Front Hub .. Each 8/52

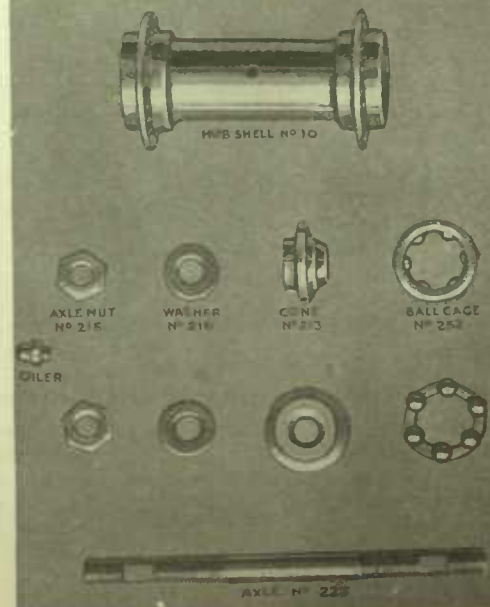
No. 208 (10)—Rear Axle Set, 3/4" x 20 thread. Each 2/60

Note.—The Small Cones were used on No. 10 Hubs supplied during 1912 and previously.

No. 207 Large Cone Axle Set fits our 1917 No. 25 Front Hub, but 4 washers are used (2 on either side) instead of two (1 on either side), as on No. 10.

Our new No. 1047 (25) Front Hub takes No. 225 Front Axle Set with improved Cone.

### No. 1036 (10) FRONT HUB ASSEMBLY





## Axle Set, No. 10 Extra Parts

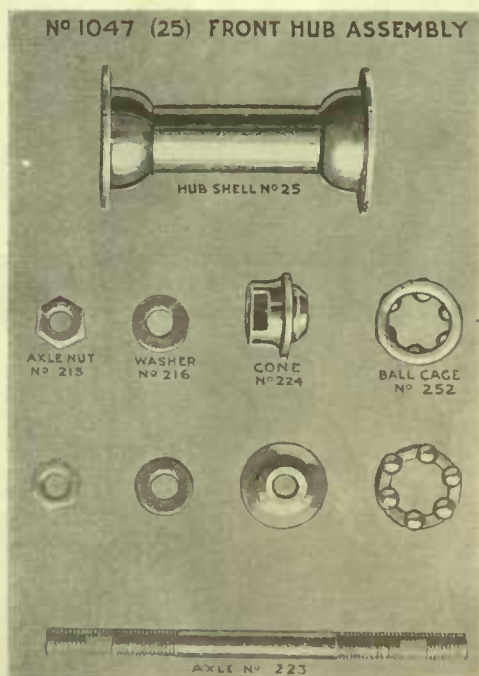
(Made in Our Own Factory)

### FOR FRONT HUBS.

- No. 212—Cones  $\frac{7}{8}$ " diameter, for No. 206 set. Each 8 80  
 No. 213—Cones each  $1\frac{3}{16}$ " diameter, for No. 207 set ..... Each 8 80  
 No. 223—Axles only for No. 206 or 207 set. Each 8 80  
 No. 215—Axle Nuts for No. 206 or 207 set. Each 8 80  
 No. 216—Axle Washers for No. 206 or 207 set. Each 8 80

### FOR REAR HUBS.

- No. 217—Cones for No. 208 set ..... Each 6 200  
 No. 218—Axle for No. 208 set ..... Each 6 200  
 No. 219—Axle Nuts for No. 208 set. .... Each 3 00  
 No. 220—Axle Washers for No. 208 set. .... Each 6 00



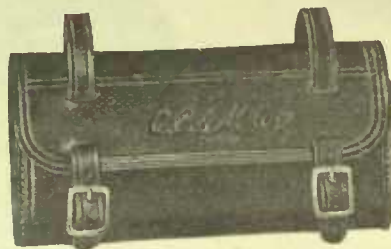
## Axle Set, No. 25 Extra Parts

(Made in Our Own Factory)

- No. 224—Cones,  $1\frac{3}{16}$ " diameter, for No. 225 set. .... Each 2 70  
 No. 223—Axle for No. 225 set ..... Each 7 80  
 No. 215—Axle Nuts for No. 225 set ..... Each 7 00  
 No. 216—Axle Washers for No. 225 set .... Each 6 00

## Bags, Tool

(Made in Canada)



Standard—Size  $6\frac{1}{2}$ " x  $3\frac{1}{4}$ " x  $1\frac{1}{2}$ ". Made from good grade of heavy leather, smooth finish.

No. 250 ..... Each 6 50

## Tool Bags, Complete with Tools

Standard Tool Bag—No. 2908 Monkey Wrench, Hand Pump and No. 1375 Oiler.

No. 251—Complete as above ..... Each 4 95

## Balls, Steel



One gross in box.

Sizes  $\frac{1}{16}$ " and  $\frac{3}{32}$ " are not used in Bicycles, but in Phonographs and small mechanical devices.

Sizes  $\frac{1}{8}$ " to  $\frac{3}{8}$ ", inclusive, are for use in Bicycles and Motorcycles.

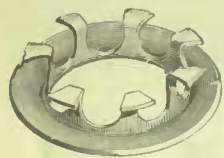
Sizes  $\frac{1}{2}$ " to 1", inclusive, are not used in Bicycles, but in Motorcycles, Motor Cars and large machines.

Diameter.	Price per Gross.	Diameter.	Price per Gross.
$\frac{1}{16}$ inch	.....	$\frac{1}{2}$ inch	.....
$\frac{3}{32}$ inch	.....	$\frac{7}{8}$ inch	.....
Above are not used in Bicycles.			
Diameter.	Price per Gross.	Diameter.	Price per Gross.
$\frac{1}{8}$ inch	... 4 95 7.	$\frac{1}{2}$ inch	.....
$\frac{3}{16}$ inch	... 2 50 1.	$\frac{7}{8}$ inch	.....
$\frac{1}{4}$ inch	... 6 50 3.	$\frac{1}{2}$ inch	.....
$\frac{3}{8}$ inch	... 1 65 7.	$\frac{1}{4}$ inch	.....
$\frac{1}{2}$ inch	... 1 75 6.	$\frac{3}{8}$ inch	.....
$\frac{3}{4}$ inch	... 2 20 4.	$\frac{1}{2}$ inch	.....
$\frac{1}{2}$ inch	... 2 20 4.	$\frac{3}{4}$ inch	.....
$\frac{3}{4}$ inch	... 2 20 4.	$\frac{1}{2}$ inch	.....
$\frac{1}{2}$ inch	... 4 75 3.	1 inch	.....
$\frac{3}{8}$ inch	... 4 75 3.	Above are not used in Bicycles, but in large machines.	
Above are used in Bicycles and Motorcycles.			

## Balls Used in C.C.M. Bicycles

1916, 1917 and 1918—(All models the same).

Hanger	.....	$\frac{5}{16}$ "
Pedals	.....	$\frac{1}{16}$ "
Head Fittings	.....	$\frac{3}{32}$ "
Front Hub	.....	$\frac{1}{4}$ "
Hercules Brake	.....	$\frac{1}{4}$ "



## Ball Retainers

### BICYCLE

### (Less Balls)

Order by Number.

- (H 13)—For Hercules C.B. Adj. Cone. Per dozen *876*
- (H 14)—For Hercules Cone and Drive Screw. *4108*  
.....Per dozen
- (B 115)—For Morrow, large size .....Per dozen *9221*
- (B 106)—For Morrow, medium size ...Per dozen *6122*
- (B 109)—For Morrow, small size .....Per dozen *7101*
- (A 16)—For New Departure, large...Per dozen *8120*
- (A 20)—For New Departure, small...Per dozen
- (F 56)—Faubert Bracket .....Per dozen *7120*
- No. 252—For Nos. 10, 25 and 30 Front Hubs, fitted with large cone (diameter  $1\frac{3}{8}$ " ) .....Per dozen *575*
- No. 253—(90)—For No. 10 Front Hubs, fitted with small cone (diameter,  $\frac{3}{8}$ " ) .....Per dozen *270*
- No. 321—For "Hercules" Single Piece (Model F) Crank Hanger .....Per dozen *4106*
- No. 322—For C.C.M. 1916 and 1917 Crank Hanger .....Per dozen *1180*

NOTE.—No. 322 Ball Retainer used on 1916, 1917 and 1918 (Model T.) Crank Hangers.

## Ball Retainers

### MOTORCYCLE

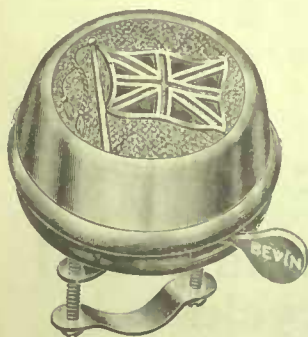


- $1\frac{5}{8}$  ins. No. 60 for Corbin M.C. Hub .....Doz. \$2.52
- $1\frac{3}{4}$  ins. No. 97 for Corbin M.C. Brake. ...Doz. 2.52
- $1\frac{1}{2}$  ins. No. 34 for Corbin M.C. Brake ....Doz.
- $1\frac{1}{2}$  ins. No. 67 for New Departure M.C. Brake. ....Doz.
- $1\frac{1}{2}$  ins. No. 34 for New Departure M.C. Brake. ....Doz.
- $1\frac{1}{8}$  ins. No. 30 for New Departure M.C. Front Hub .....Doz.
- $1\frac{3}{4}$  ins. No. 97 for Miami Cycle & Mfg. Co. M.C. Brake .....Doz.
- $1\frac{3}{4}$  ins. No. 99 for Miami Cycle & Mfg. Co. Crank Hanger Bracket .....Doz.
- $1\frac{1}{8}$  ins. No. 54 for Indian M.C. Counter Shaft. ....Doz.
- $1\frac{1}{8}$  ins. No. 70 for Indian M.C. Adjustable Counter Shaft .....Doz.
- $2\frac{1}{8}$  ins. No. 87 for Eclipse Machine Co. M.C. Free Engine Pulley .....Doz.
- $2\frac{1}{8}$  ins. No. 109, used on the Henderson....Doz.
- $1\frac{7}{8}$  ins. No. 69, used on Reading Standard. ....Doz.
- $1\frac{1}{2}$  ins. No. 34, used on Thor M.C. Brake. ....Doz.

## Bells

For HORNS, see page 37

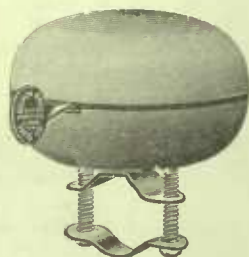
OUR line of Bells has been carefully selected. They are complete in grade, style and design. They are manufactured of selected metal, producing loud, penetrating and musical tones. The better grades are all manufactured from special bell metal—not steel. Each bell is packed in a neat cardboard carton.



No. 256.

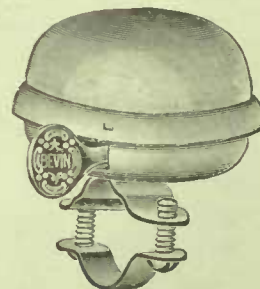
Electric Stroke—Unlon Jack Flag Top, in colors. Flanged gong. Full nickel finish. Screw clamp.

No. 256 (184)—2" gong. Per dozen (12 in box) ....*7.927*

No. 259. *6950*

Double Stroke—Chiming—Wrought metal gong. Full nickel finish. Screw clamp.

No. 259 (104)—Echo,  $2\frac{1}{2}$ " gong. Per dozen (12 in box)



No. 254.

Electric Stroke—Wrought metal flanged gong. Full nickel finish. Screw clamp.

No. 251 (810)— $1\frac{3}{4}$ " gong. Per dozen (12 in box) ....*6250*

No. 255 (710)—2" gong. Per dozen (12 in box) .....*2270*

No. 257 (610)— $2\frac{1}{4}$ " gong. Per dozen (12 in box) *8.211*

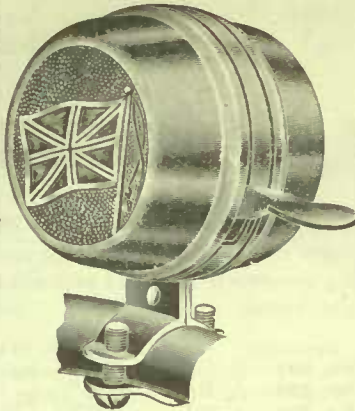
Prices. Subject to Change Without Notice.



## Bells (Continued)

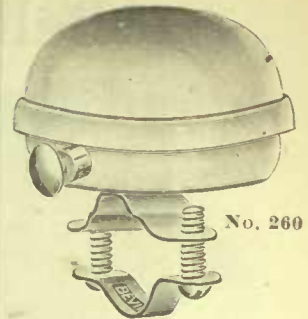
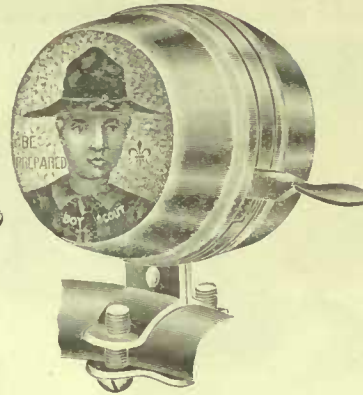


No. 258. 6655  
No. 258 (56)—  
Beaded Push  
Button. 2 1/4"  
beaded gong,  
continuous  
ringing. Flag  
on top in col-  
ored enamel,  
balance of bell  
nickel finished.  
Per dozen (12  
in box) .....



No. 323. Illustrating both sides. No. 323.

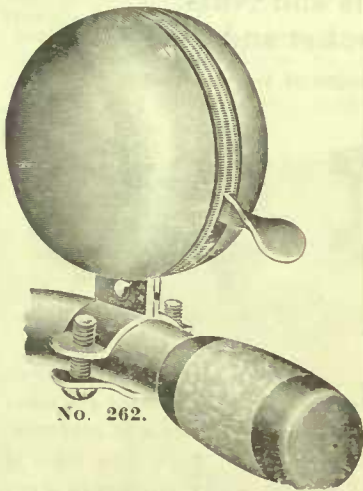
Double Dome. Electric Stroke—This bell has a "Union Jack"  
on one side and a "Boy Scout" on the other, in colors. Diameter  
of gong 2 inches. Screw clamp. A good patriotic line.  
No. 323—Per dozen (12 in box) ..... 4.50-6.....



No. 260

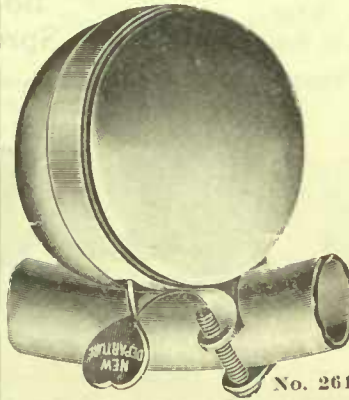
Push Button—Continu-  
ous Ringing. Revolving  
flanged top. Wrought  
metal gong. Full nickel  
finish. screw clamp.

No. 260 (110)—2"  
gong. Per dozen 8.40  
(12 in box) ....



No. 262.

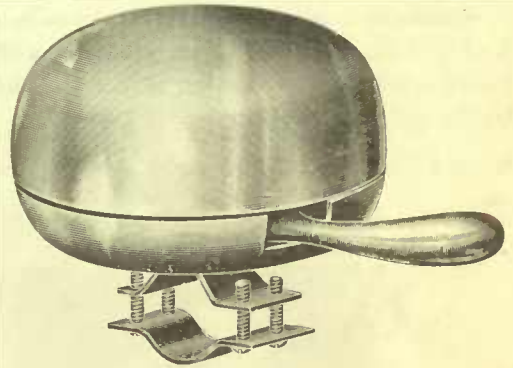
Double Dome Chime. Tandem  
Gongs—Rotary Movement. Full  
nickel finish. Screw clamp.  
No. 262 (8-0)—2 1/2" gong. 6600  
Per dozen (12 in box).



No. 261

No. 261—Cathedral Chime  
—A high grade chime bell,  
very clear and musical, made  
of special selected bell metal,  
heavily nickel plated and  
highly finished. Revolving  
domes 2 1/4". Screw clamp

No. 261 (35C)—Per  
dozen (12 in box) .....



No. 331—Bronko.

No. 331—Bronko—Has a  
particularly sharp, clear,  
penetrating note. Full  
nickel, 3" gong. Large  
finger ringing lever, easily  
operated. Double screw  
clamp. Full 1" size.  
(One in carton.) Per  
dozen (12 in box) .....

### Bell Assortment "R"



A Very Convenient Assortment for  
Dealers.

Description—  
2 1/4" Electric  
Stroke, cast metal  
gongs, nicked or  
oxidized, with de-  
signs enameled in  
various colors.

Packed in box  
of 1 dozen, con-  
taining two each  
of the designs  
illustrated.

NOTE.—Orders  
for smaller quan-  
tities than one  
dozen of this as-  
sortment will be  
filled from broken  
lots, regardless of  
top design.

No. 265—4456  
Per dozen  
(12 in  
box) ....

### Good Luck Bell Assortment

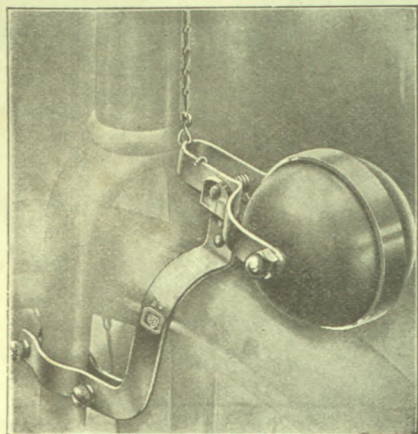
Made up of three Flag Top, three  
Boy Scout design, two Four Leaf  
Clover design, two Race Horse  
design, and one Lucky pattern  
design. Bells are  
2 1/4" Electric  
Stroke, cast  
metal gongs, flat  
top type similar  
to No. 256, and  
each bell is  
nicely enameled.  
Each bell pack-  
ed in box, and  
the 12 assorted  
in one carton.

No. 332—Per  
dozen (12 in  
box) ..





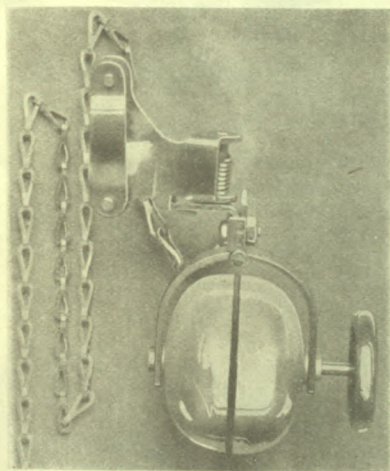
## Bells, Tire



"Monarch."

"Monarch"—This is an extra well-made Bell. When cable is drawn tight, the band in the centre of the bell comes in contact with the tire, producing a clear, penetrating tone. 3" diameter. Nickel plated.

No. 264—Price (1 in box) .....*7.75*.....Each



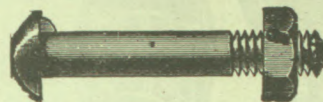
No. 333. *81452*

**Side Tire Bell**—Since the introduction of extension front mud guards, a great demand has been created for a side tire bell which can be fixed to the front fork side and operated by coming in contact with the tire. The ordinary style of tire bell will not fit a bicycle with a front extension guard. This Bell is designed for this purpose. Gongs are 3" in diameter, and the entire bell is nicely nickel plated. Supplied with chain complete.

No. 333—One in box .....Each

## Bolts and Nuts

(Assembled)



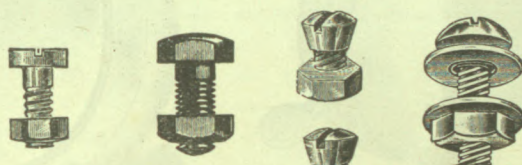
**Handle Bar and Seat Post Clamp Bolts and Nuts**—These bolts and nuts will give perfect satisfaction. They are accurately threaded and will not strip. Heads plated and buffed.

Diameter.	Length.	Diameter.	Length.
No. 294— $\frac{5}{16}$ " Rd....	1 $\frac{1}{4}$ "	No. 298— $\frac{3}{8}$ " Rd....	1 $\frac{1}{2}$ "
No. 295— $\frac{5}{16}$ " Rd....	1 $\frac{1}{2}$ "	No. 299— $\frac{3}{8}$ " Rd....	1 $\frac{3}{4}$ "
No. 296— $\frac{5}{16}$ " Rd....	1 $\frac{3}{4}$ "	No. 300— $\frac{3}{8}$ " Rd....	2 "
No. 297— $\frac{5}{16}$ " Rd....	2 "		

Price, dozen (1 gross in box) .....Dozen

## Bolts and Nuts, Pedal, Sprocket and Toe Clip

(All in packages of 1 Gross each).



Pedal. Sprocket. Fauber. Toe Clip.

**Pedal**—These Pedal Bolts and Nuts are nicely nickel-plated and turned from bar stock steel. The bolts are carefully and accurately threaded, and the nuts fit perfectly.

**Sprocket**—Our line of Sprocket Bolts and Nuts is manufactured from the highest grade machinery steel, nicely finished and nickel plated. Supplied in  $\frac{3}{16}$ " and  $\frac{1}{4}$ " with 24 threads.

**Fauber**—We have added a line of short and long Fauber Bevel Head Sprocket Bolts and Nuts, perfect in size and shape, correct in form and finish, complete with nuts.

**Toe Clips**—These are manufactured from No. 8 wire, and are  $\frac{5}{8}$ " long. They are fitted with two washers, and will hold Toe Clip rigid.

No. 325—Rubber Pedal Bolt and Nut, C.C.M. Per dozen .....

No. 302—( $\frac{3}{16}$ " ), Sprocket Bolts and Nuts. Per dozen .....

No. 303—( $\frac{1}{4}$ " ), Sprocket Bolts and Nuts. Per dozen .....

No. 304—Sprocket Bolts only, Fauber, short. Per dozen .....

No. 305—Sprocket Bolts and Nuts. Fauber, long. Per dozen .....

No. 324—Sprocket Bolts and Nuts, for all C.C.M. Bicycles. Per dozen .....

No. 306—Toe Clip Bolts and Nuts. Per 100....

Prices Subject to Change Without Notice.



# Brakes, Improved Hercules Coaster Brake

**T**HIS well known and popular brake has been still further perfected from time to time, and is now giving greater satisfaction than ever before.

The absence of side arm is appreciated by every dealer and repair man, as it enables the brake to be very easily and quickly removed from and replaced in the frame.

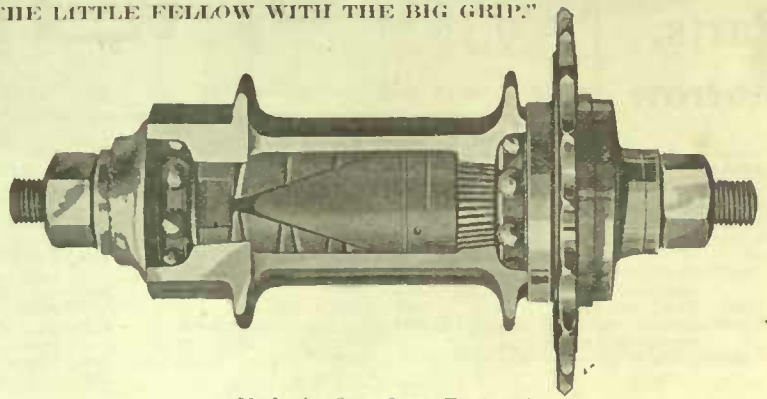
Its smooth powerful braking action, and the absence of any slipping when engaging the drive after coasting, appeals strongly to the cyclist.

Other strong features of the Hercules Brake are its extreme lightness, its comparatively small size, and the small number of parts employed in its construction.

Altogether, it is a brake which may be specially recommended and sold with the assurance that it will give the maximum of service and satisfaction and the minimum of trouble.

**Guarantee**—We give an absolute and unqualified guarantee on the Hercules Brake as to efficiency, material and workmanship, and if

"THE LITTLE FELLOW WITH THE BIG GRIP."



(Made in Our Own Factory)

it is not all we claim for it, we will replace it at our own expense, if returned to us within one year from date of purchase.

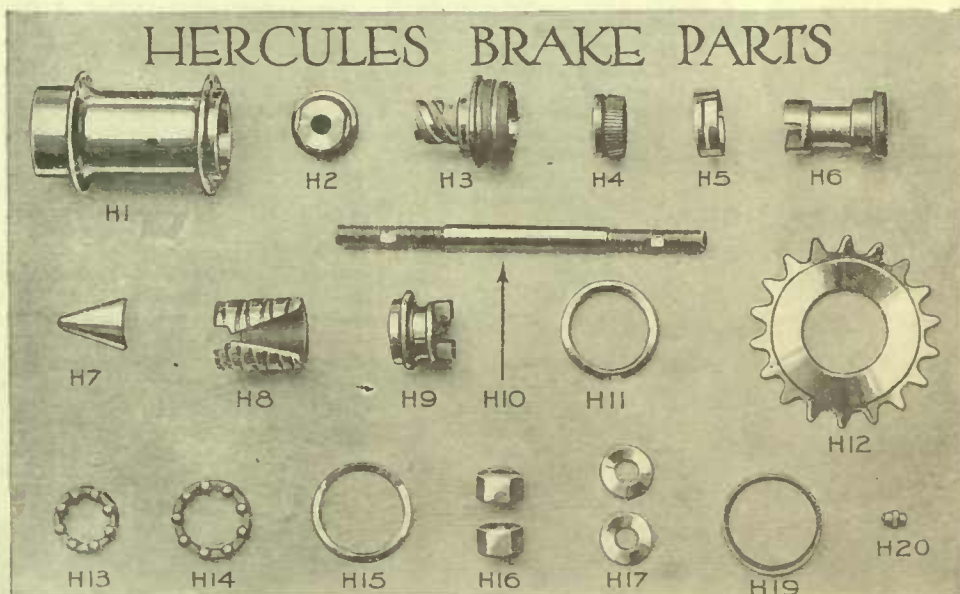
No. 308—Price with Sprocket.

Each ..... \$7.40

**Note**—Specify Sprocket required when ordering.

## Brake Lubrication

For best results from this Brake, use C.C.M. Hercules Brake Oil, a heavy bodied oil, especially adapted for this purpose. See page 46.



(Made in Our Own Factory)

No. H- 1	—Hub Shell.	Each	6/35
No. H- 2	—Adjusting Cone	Each	2/23
No. H- 3	—Driving Worm	Each	6/00
No. H- 4	—Driving Clutch	Each	2/28
*No. H- 5	—Clutch Drag..	Each	3/00
*No. H- 6	—Brake Spool..	Each	2/38
No. H- 7	—Brake Wedge..	Each	1/00

\*Assembled together.

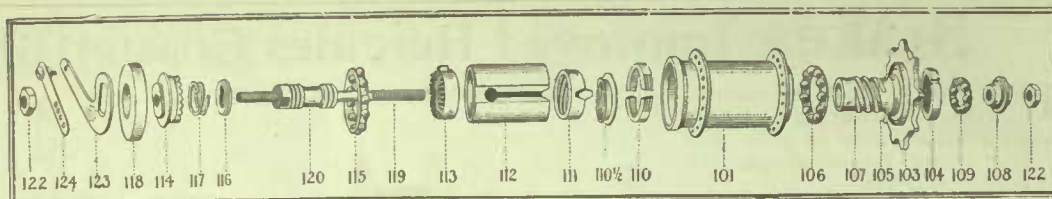
No. H- 7½	—Wedge Shim.	Per dozen	
No. H- 8	—Brake Sleeve.	Each	6/25
No. H- 9	—Stationary Cone.	Each	4/05
No. H-10	—Axle	Each	1/75
No. H-11	—Sprocket Lock Nut	Each	5/28
No. H-12	—Sprocket 1" pitch, 3/8" wide, 7 to 10 tooth	Each	
	½" pitch, 1/8" or 3/16" wide, 14 to 20 tooth	Each	6/78

No. H-13	—Small Ball Retainers, less balls	Each	4/70
No. H-14	—Large Ball Retainers, less balls	Each	8/90
No. H-15	—Chain Line Ring.	Each	4/71
No. H-16	—Axle Nut.	Each	3/61
No. H-17	—Axle Nut Washer.	Each	2/31
No. H-19	—Dust Shield.	Each	2/10
No. H-20	—Brake Oiler.	Each	2/81

No. 483.  
Shim of  
Hercules  
Brake.

"The Dealers' Interests Are Our Interests."

# Brake Parts, Morrow



Cannot guarantee to supply all parts shown. Prices on application.

**BRAKE PARTS, EADIE.**  
—Prices supplied on application. We cannot guarantee prompt delivery owing to difficulty in securing from England.

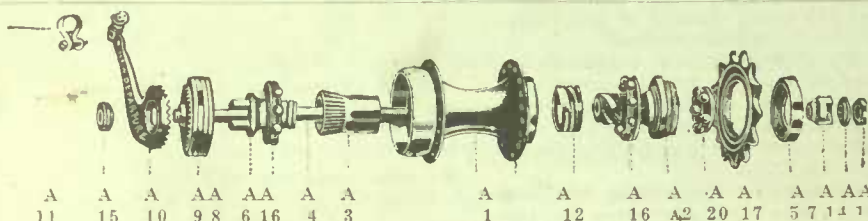
- 32R—Shell, with cups and serrated ring.
- 33R—Friction Plate.
- 34R—Brake Spring and phosphor bronze ring
- 35R—Brake Cone and Lever.

- 36R—Brake Spring Lever.
- 37R—Clutch Nuts.
- (A) 37R—New Positive Drive Clutch Nut.
- 38R—Driving Screw.
- 39R—Chain Ring. (State size.)
- 40R—R.H. Cups.
- (B) 40R—R. H. Cups, New Style, with teeth to take New Style clutch.

- 41R—L.H. Cups.
- 42R—Chain Stay Clips, complete.
- 43R—Spindle only.
- 44R—Lock Ring.
- 45R—Lock Nuts, with oil hole cover.
- 46R—Ball Retainers, with balls, large.
- 47R—Ball Retainers, with balls, small.
- 48R—Clutch Nut Spring.
- 49R—Adjusting Cone.

- 50R—Clutch Nut Spring Screw.
- 52R—Split Collar.
- 53R—Split Collar.
- 54R—Fixing Nut.
- 56R—Fixing Nut.
- 55R—Spindle Collar.
- 57R—Chain Stay Clip Nut.
- 58R—Chain Stay Clip Screw.
- 59R—Spindle Nuts.
- 60R—Lubricator.

## Brake Parts New Departure



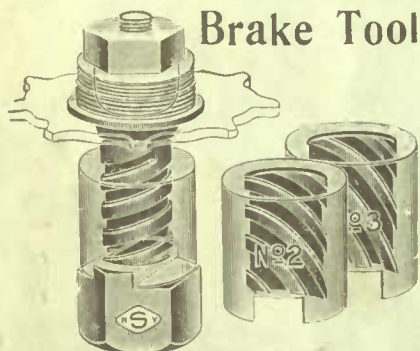
- A-1—Hub Shell .....Each
- A-2—Drive Screw ....Each
- A-3—Clutch Sleeve ..Each
- A-4—Axle .....Each
- A-5—Sprocket Lock Nut... ..Each
- A-6—Clutch .....Each
- A-7—Axle Cone .....Each
- A-8—Brake Box, English... ..Each  
(See note.)

- A-8—American .....Each
- A-9—Brake Cover ....Each
- A-10—Brake Arm ....Each
- A-11—Brake Arm Clip..Each
- A-12—Transfer Spring..Each
- A-13—Axle Nut .....Each
- A-14—Axle Washers...Each
- A-15—Convex Washers..Each
- A-16—Balleage (large) .... ..Per doz.
- A-17—Sprocket .....Each

- A-20—Balleage (small) .... ..Per doz.

Note.—State whether A-8 Brake Box is required with short pin. (American Brake), or long pin (English Brake).

We cannot supply A-8 English during continuation of war. But A-8 American may be used instead, provided A-9 and A-10 American are also used.



No. 334 ..... Each

**Brake Tool—Stevens' Clutch.** A compact Coaster Brake Clutch Tool, for use in vise. Will remove the tightest Sprockets.

Supplied with three special tools that take Hercules, New Departure and American Morrow Driving Screws.

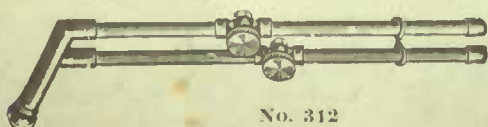
Packed complete in small wooden box. .... Each

## Brazing Compounds



- No. 1157—Borax, powdered, per lb. ....
- No. 1158—Boracic Acid, per lb. ....
- No. 1156—Spelter, fine ground, per lb. ....
- No. 1159—Spelter Wire, per lb. ....
- No. 1247—Superior Brazing Compound (1 pound cans) .....Each

## Blow Pipes Hot Blast, Gas Brazing



No. 312

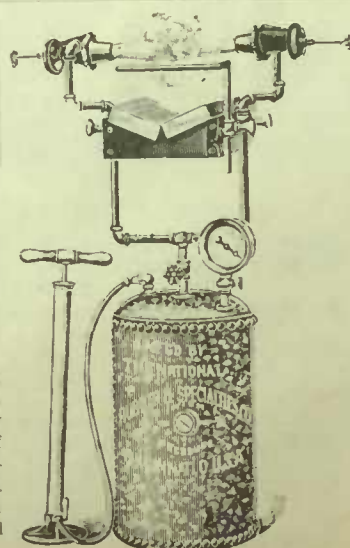
Made of 1/2" brass tubing, carefully fitted. Stop Cocks have pin handle instead of the knurled screw shown in cut. Length 14".

No. 312—Price .....Each

## Braziers Sterling

- No. 1447—Brazier, 10 gal. tank with pump) .....Each

These braziers are fitted with improved hydro carbon burners adjustable to any angle. The tank is made of boiler steel, galvanized, tested to 150 pounds pressure. Gasoline is the fuel used. Gauge, fire bricks and full directions how to operate accompany each brazier.



Brazier, 10 gal. Tank.

Prices Subject to Change Without Notice.



## Brushes



(Made in Canada)

**Enamelling.**—These brushes are of the very finest quality of hair, cement set, and will apply the enamel to the frame very freely, leaving a perfectly smooth and even surface.

No. 313—Fitch Hair,  $\frac{1}{2}$ ". Per dozen (12 in box) \$ 2.00

No. 314—Fitch Hair, 1". Per dozen (12 in box).

No. 315—Fitch Hair,  $1\frac{1}{2}$ ". Per dozen (12 in box).



(Made in Canada)

**Bicycle—No. 317**—Single strand, 5" long. Length, including handle, 14".

Per dozen ( $\frac{1}{2}$  gross in carton) .....



(Made in Canada)

**Steel Wire—No. 318**—Furnished in one size only. 6" x  $\frac{3}{4}$ ". Length, including handle, 15". Made from the very best materials.

Per dozen (12 in package) .....



## Buffers

**No. 319—Frame Buffers**—These are used to prevent the handlebar from injuring the enamel. Spring style grey rubber.

Per dozen (24 in box) .....

## Belts, Motorcycle Half-inch Round

**Chrome tanned, rawhide, fitted with improved fastener, suitable for C.C.M. Motorcycle. Length 7 feet. Complete instructions with each Belt.**

**No. 266—Round. Price .....** Each

## Belts, Spartan Motorcycle

**Spartan Belts** are made of leather, especially adapted for Motorcycle use. Fastened together with cement, which is absolutely water and heat proof, and securely riveted. With a Free Engine Pulley, the "V" Belt is a most satisfactory and popular transmission. "V" Belt, 28 degree angle.

No. 269— $\frac{3}{4}$ " x 4 Ply for single cylinder machines.....Price, per foot

No. 270— $\frac{7}{8}$ " x 4 Ply for single cylinder machines.....Price, per foot

No. 271—1" x 4 Ply for single cylinder machines.....Price, per foot

No. 272— $1\frac{1}{8}$ " x 4 Ply for single cylinder machines.....Price, per foot

No. 273— $1\frac{1}{4}$ " x 4 Ply for single cylinder machines.....Price, per foot

No. 281— $1\frac{1}{8}$ " x 5 Ply Giant for twin cylinder machines. Price, per foot

No. 282— $1\frac{1}{4}$ " x 5 Ply Giant for twin cylinder machines. Price, per foot

No. 283— $1\frac{1}{2}$ " x 5 Ply Giant for twin cylinder machines. Price, per foot

Sizes, Flat Belt, 9 ft. or Shorter.

No. 274— $1\frac{1}{2}$ " .....Price, each

No. 275— $1\frac{3}{4}$ " .....Price, each

No. 276— $1\frac{3}{4}$ " x 7' 11" (No. 276A 8' 2") (No. 276B 8' 7").....

.....Price, each

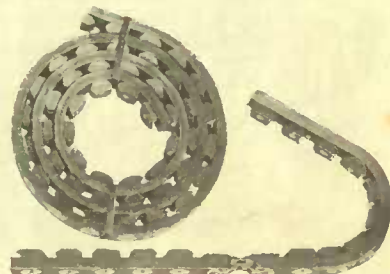
No. 277— $1\frac{7}{8}$ " .....Price, each

No. 278—2" x 8' 4" (No. 278A 8' 7 $\frac{1}{2}$ ") .....Price, each

No. 279—2 $\frac{1}{8}$ " .....Price, each

No. 280—2 $\frac{1}{4}$ " .....Price, each

Give length when ordering. Supplied Endless.



"V" Shape



Flat.

## Bicycle Flags and Holder

### Flags of The Allies

Seven silk flags, supplied with black enamelled holder for attaching to handlebars.

**No. 759 (3)**—Size of each flag 3" x 2" .....Per set

**No. 760 (4)**—Size of each flag 4 $\frac{3}{4}$ " x 3" .....Per set

"The Dealers' Interests Are Our Interests."



## Belt Dressing Motorcycle



A Belt Food prepared for Motorcycle Belts. It will positively lengthen the life of a belt, and produce a uniform drive. Treat your belt as you would your motor; clean belt often and apply Belt Dressing.

No. 284—Price, per dozen  
Tubes .....

## Belt Drill for "V" Belts



No. 654.

Cuts a clean straight hole for sizes  $\frac{3}{4}$ ",  $\frac{7}{8}$ ", 1". Thumb Screw nickelplated.

No. 654—One in box..Each

## Belt Fastener for Motorcycle "V" Belts



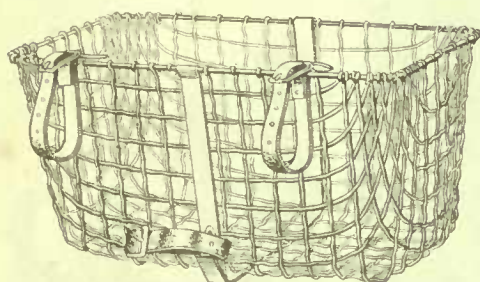
We recommend this Fastener for all sizes of Spartan "V" Belts.

**Instructions.**—To attach, remove rivet from belt by cutting off end of rivet with a cold chisel. Use the rivet holes for the screws. If belt is too thick, shave "block" so that the fasteners will fit snugly.

To detach, simply open the oblong washer on chain link, which is split at one end.

No. 285—Price ... ..Each

## Carriers, Parcel and Delivery



(Made in Canada)

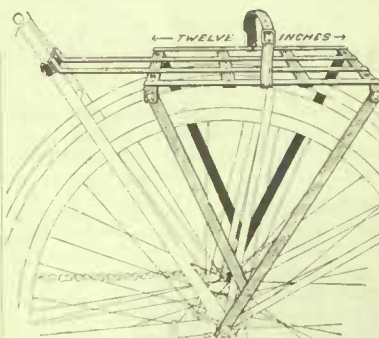
No. 400

### The Androck Bicycle Basket.

Just the thing for delivering small packages. Size  $15\frac{1}{2}$ " x 8" x  $7\frac{1}{2}$ ".

Fastens securely to the Bicycle with strong leather straps.

No. 400 .....Each



No. 403

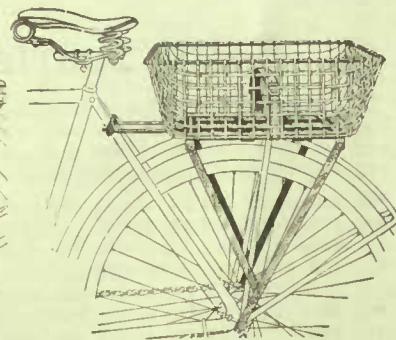
(Made in Canada)

### Androck Luggage Carrier.

Large enough to carry all one wants to. Size of platform, 9" x 12". Length of carrier over all, 18". Supporting legs made of No. 12 steel,  $\frac{3}{4}$ " wide. Finest black enamel finish. Size of basket, 18" x 13" x 6".

No. 403—Carrier only (6 in package) .....Each

No. 404—Carrier and Basket .....Each



No. 404



(Made in Canada)

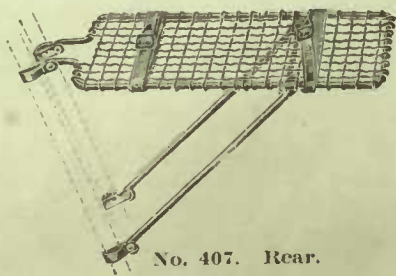
### "C.C.M." Tradesmen's.

When fitted with basket makes an ideal parcel carrier. Made of heavy gauge sheet steel, directly supported from front axle. Balances load perfectly, so that bicycle steers easily. Dimensions at top 14" x 20"; at bottom, 12" x 18". 6" deep.

Improved adjustable clamp, adaptable for 20, 22 and 24" frames.

No. 529—Carrier without Basket .....Each

No. 523—Wicker Basket for above .....Each



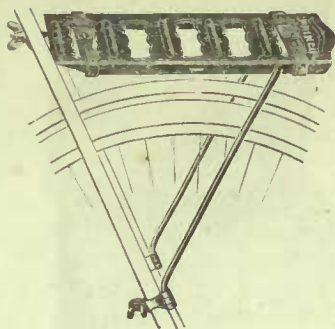
No. 407. Rear.

### REAR.

No. 407—Size  $14\frac{1}{2}$ " x  $5\frac{1}{2}$ "  
Split Leather Straps..Each  
(12 in package.)



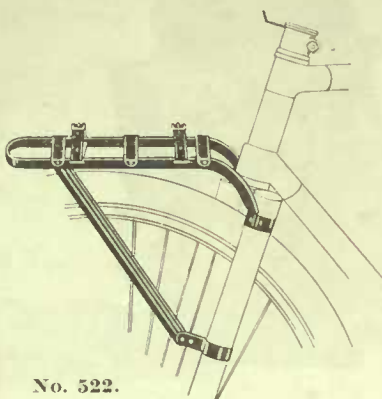
## Carriers (Continued)



No. 409 Rear.

No. 409 (613)—An exceptionally strong, well-made, nickel-plated Carrier, size 12" x 5". Pressed steel top, two leather straps.

No. 409—For Rigid Frame Bicycles. Each



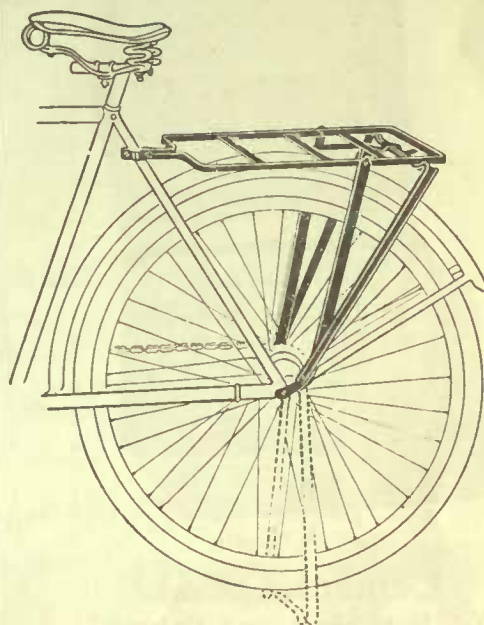
No. 522.

(Made in Our Own Factory)

"C.C.M." Military.

As supplied to the Canadian Army. Unusually strong. Black enamel, with straps. Size 13" x 5 3/4".

No. 522. .... Each



No. 412.

(Made in Canada)

## Cements

### "Comfort" Wood Rim Cement

(Made in Canada)

This Cement is very thick and heavy, and leaves a deep body on the rim, which does not become hard or brittle. Supplied as follows, Imperial measure:

No. 449—2 oz. bottle, with swab (1 doz. in box). Doz.

No. 450—1/4 pint cans ... Per doz.

No. 451—1 pint cans ... Per doz.



### "Comfort" Wood Rim "Shellac" Cement

(Made in Canada)

For cementing tires and grips. Made from a special formula, so treated as to prevent drying too quickly. Easy to handle, and keeps rims clean. Supplied as follows, Imperial measure:

No. 452—2 oz. bottles with swab (1 dozen in box). Doz.

No. 453—1 pint cans .... Each

### C.C.M. Combination Rear Carrier and Stand.

The size of both Stand and Carrier is exceptionally generous. The Carrier is both wider and longer than all others. The Stand is about 2" wider. The bottom of the Stand curves upward toward the centre, the sides forming feet, enabling Stand to rest steadily on any surface. The finish is unusually brilliant and durable.

No. 412—C.C.M. Combination Rear Carrier and Stand. Width of feet of stand, 11". .... Each

No. 571—Grey enamel ..... Each

No. 572—Maroon enamel ..... Each

No. 563—C.C.M. Rear Carrier (less Stand). Size 7" x 14 1/2". .... Each

7600

## Cement, "Titewad"



The Rubber Putty. Permanently repairs rubber tires, tubes and other rubber articles without vulcanizing.

In screw top tin box, containing two small tins, one of putty and one of cement, with full directions.

No. 566—Large size .... Each 7850

No. 567—Small size .... Each

No. 573—25c. Retail Size for Bicycles ..... Per doz.

### Hard Tire Cement

Old English Brand. Contains an unusually high percentage of rubber and gutta. Supplied in one-pound packages.

No. 456 ..... Per lb.

## Cements (Continued)



(Made in Canada)

### Cement, C.C.M. XX Patching and Fabric

(Imperial Measure.)

- No. 431— $\frac{3}{4}$ " x 4" collapsible tubes (2 dozen in box).  
.....Per gross
- No. 432—1" x 4" collapsible tubes (1 dozen in box).  
.....Per gross
- No. 433— $\frac{1}{4}$  pint cans. Doz.
- No. 434— $\frac{1}{2}$  pint cans. Doz.
- No. 435—1 pint cans. Each
- No. 436—1 quart cans. Each
- No. 437— $\frac{1}{2}$  gal. cans. Each
- No. 438—1 gal. cans. Each



### Cement M. & M. Patching

An unusually high grade patching cement.

- No. 2335— $\frac{3}{4}$ " x 4" collapsible tubes (1 dozen in box).  
.....Per gross
- No. 2336—1" x 4" collapsible tubes (1 dozen in box).  
.....Per gross
- No. 2330— $\frac{1}{4}$  pint. Per doz
- No. 2331— $\frac{1}{2}$  pint. Per doz
- No. 2332—1 pint. Per doz
- No. 2333—1 quart. Per doz.



(Made in Canada)

### Cement Dunlop Patching

Supplied as follows, Imperial measure:

- No. 423— $\frac{3}{4}$ " x 4" collapsible tubes (2 dozen in box).  
.....Per gross
- No. 424—1" x 4" collapsible tubes (1 dozen in box).  
.....Per gross
- No. 425— $\frac{1}{4}$  pint cans. Doz.
- No. 426— $\frac{1}{2}$  pint cans. Doz.
- No. 427—1 pint cans. Doz.
- No. 428—1 quart cans. Each
- No. 429— $\frac{1}{2}$  gal. cans. Each
- No. 430—1 gal. cans. Each



### Cement, Jifoid Plugging

"Jifoid" repairs single tube tires in two minutes. By simply injecting "Jifoid" in the puncture and allowing it to harden a perfect and permanent plastic plug is formed.

- No. 457— $\frac{3}{4}$ " x 4" tubes, with needles (12 in box). Per doz

### Dunlop Bicycle

### Cement Repair Outfit

Includes sandpaper, also French chalk, four round patches, strip of best quality patching rubber, piece of proof cover canvas to patch serious cuts through outer cover. Tube of high-grade rubber cement. Put up in neat design of box, which will fit conveniently in the tool bag.

- No. 460 .....Price per dozen

Prices Subject to Change Without Notice.



(Made in Canada)





## Carbide, C.C.M.

(Made in Canada)

C.C.M. Carbide is put up in handsomely lithographed cans—Blue and Orange—making a very striking article for window display.

No. 413— $\frac{1}{2}$ -lb. cans. (3 doz. in box) ..... Per dozen

No. 414—1-lb. cans. (2 doz. in box) ..... Per dozen

No. 415—2-lb. cans. (2 doz. in box) ..... Per dozen

No. 416—5-lb. cans. (1 doz. in box) ..... Per dozen

No. 417—100-lb. drums..... Each

Auto Carbide No. 2030—5-lb. cans. .... Per dozen

Auto Carbide No. 2028—100-lb. drums ..... Each

Note.—The above cans are full weight.

## Chains



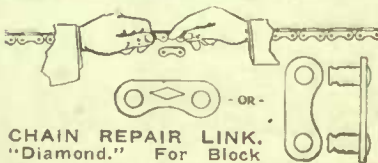
Chains—Diamond. (Packed in cartons.)

No. 588— $\frac{1}{2}$ " pitch x  $\frac{1}{8}$ " wide, 112 links ..... Each

No. 589—1" pitch x  $\frac{3}{16}$ " wide, 56 links ..... Each

No. 590— $\frac{1}{2}$ " pitch x  $\frac{3}{16}$ " wide, 112 links ..... Each

No. 591—1" pitch x  $\frac{1}{4}$ " wide, 56 links ..... Each



CHAIN REPAIR LINK.

"Diamond." For Block

Chains only. Simple, effective quick method of adding a

link or repairing break in chain.

2 links in package, 1 dozen packages in carton.

No. 480—For  $\frac{3}{16}$ " block chain. Per carton of 1 dozen

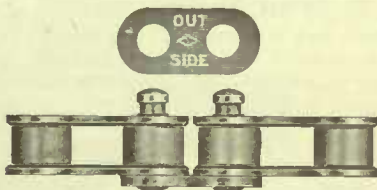
packages

No. 480A—For  $\frac{1}{4}$ " block chains. Per carton of 1 dozen

packages

## Chain Repair Links

## Diamond "Snap-On" Repair Link



For Bicycle Roller Chains. Simple and quick; no riveting.

No. 592 (8-75)—For  $\frac{1}{2}$ " x  $\frac{1}{8}$ " roller chain .... Per dozen

No. 593 (6-71)—For 1" x  $\frac{3}{16}$ " roller chain .. Per dozen

No. 594 (9-75)—For  $\frac{1}{2}$ " x  $\frac{3}{16}$ " roller chain .. Per dozen

No. 595 (7-71)—For 1" x  $\frac{1}{4}$ " roller chain ..... Per dozen

## Chains, Duckworth Motorcycle



25 feet packed in cardboard carton. Sold by the foot.

No. 550— $\frac{3}{8}$ " wide  $\frac{5}{8}$ " pitch ..... Per foot

No. 576— $\frac{1}{4}$ " wide  $\frac{5}{8}$ " pitch ..... Per foot

## Chain Bolts and Nuts

(English.)

No. 475—Bolt and Nut for  $\frac{1}{4}$ " Chain, Atco or Maple Leaf ..... Dozen

No. 476—Bolt and Nut for  $\frac{3}{16}$ " Chain, Atco or Maple Leaf ..... Dozen

No. 477—Bolt and Nut for  $\frac{1}{2}$ " Chain, Brampton .. Dozen

No. 478—Bolt and Nut for  $\frac{3}{16}$ " Chain, Brampton .. Dozen

No. 479—Bolt and Nut for  $\frac{1}{4}$ " Chain, Brampton .. Dozen

Note.—We do not now stock Atco, Brampton or Maple

Leaf Chains complete.

## Chain Parts, Roller



(English.)

Ordinary Repair Link consists of two Rollers, two Bushings, two Inside Plates, one Outside Plate with rivets assembled, one Outside Plate only.

No. 472—For  $\frac{1}{4}$ " x  $\frac{1}{2}$ " Chains for Atco or Brampton ... Per doz.

No. 473—For  $\frac{3}{16}$ " x 1" Chains for Atco or Brampton ... Per doz.

No. 474—For  $\frac{1}{4}$ " x 1" Chains for Atco or Brampton ... Per doz.

We cannot guarantee to supply ENGLISH CHAIN PARTS under present conditions, although we have a limited stock on hand, and have more on order which we may receive.



Straight Connecting Link consists of two Bolts, two Nuts, two Outside Links; suitable for Atco, Maple Leaf, or Brampton Chains.

No. 471—For  $\frac{3}{16}$ " x 1" Chains ..... Per doz.

No. 519—For  $\frac{1}{4}$ " x 1" Chains ..... Per doz.

No. 470—For  $\frac{1}{4}$ " x  $\frac{1}{2}$ " Chains ..... Per doz.

## Chain Repair Assortment Atco

Put up in 8-compartment tin box (not in carton as illustrated) containing:

12 each No. 470-471 Straight Connecting Links.

12 each No. 472-473 Ordinary Repair Links.

12 each  $\frac{1}{4}$ " and  $\frac{3}{16}$ " Bolts and Nuts.

12 each  $\frac{1}{8}$ " and  $\frac{3}{16}$ " Bushings.

12 each  $\frac{1}{8}$ " and  $\frac{3}{16}$ " Rivets.

12 each  $\frac{1}{8}$ " and  $\frac{3}{16}$ " Rollers.

12 each  $\frac{1}{2}$ " and 1" Inside Plates.

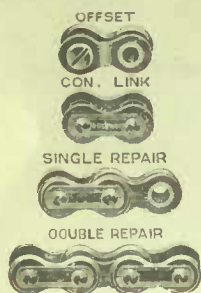
12 each  $\frac{1}{2}$ " and 1" Outside Plates.

No. 526—Per box ..... Each

NOTE.—Above parts are for Atco and Appleby Chains, but many of them are suitable for Brampton and other chains.



"The Dealers' Interests Are Our Interests."



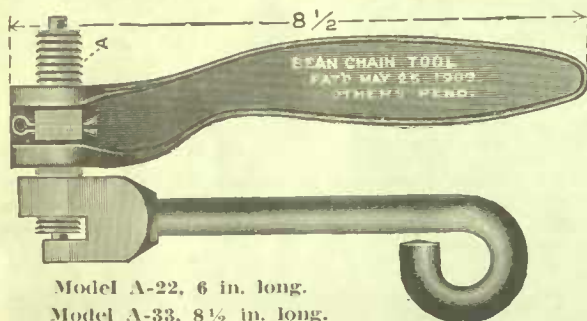
## Chain Repair Links

### Duckworth Motorcycle

- 551—Connecting Link ..... Each  
 552—Repair Link, Single ..... Each  
 553—Repair Link, Double ..... Each  
 554—Offset Link ..... Each

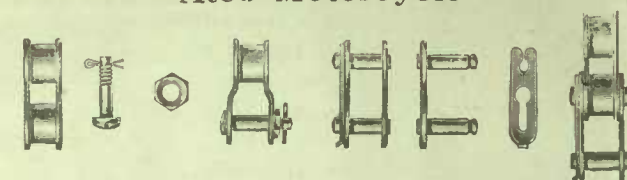


## Chain Tools



Model A-22, 6 in. long.

Model A-33, 8½ in. long.



No. 542. No. 534. No. 483. No. 482. No. 536. No. 535. 533.

- No. 542—Blocks ..... Each  
 No. 534—Bolts and Nuts ..... Each  
 No. 483—Cranked Link ..... Each  
 No. 482—Connecting Link ..... Each  
 No. 535—Springs ..... Dozen  
 No. 533—Double Link ..... Each  
 No. 536—Rivets ..... Dozen  
 No. 537—Outside Plates ..... Dozen  
 No. 539—Rollers ..... Dozen  
 No. 540—Bushings ..... Dozen  
 No. 541—Inside Plates ..... Dozen

## Chain Grip—Duckworth

Makes the hard and dirty job of connecting chain very easy, without the necessity of readjusting the wheel. Can be carried in Tool Bag. Black enamelled. One in box.

No. 564 ..... Price, each



## Chain Tool, Peerless Motorcycle

"The tool with the punch." Removes any rivet with one grip of the handle. Correct lever action, almost instantaneous and very easily operated.

No. 570 ..... Each

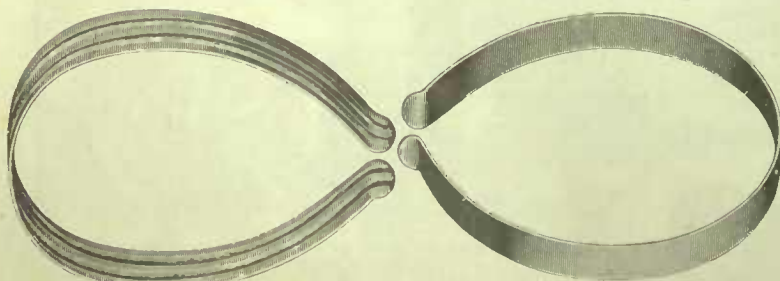
## Chain Tool, Bean Motorcycle

The handle support has a threaded, headless bolt extended to each side, making it reversible, and giving it double the wear of any other make. (Packed one in a carton.) Complete instructions with each tool.

No. 543—(A-33)—For shop use ..... Each

No. 544—(A-22)—Tool kit size ..... Each

## Clips, Trouser



No. 499. Corrugated.

No. 500. Perfection.

Manufactured from the best quality of spring steel and oil tempered with an enamel finish.

No. 499—Per gross pairs  
 (3 doz. pr. in box) ....

No. 500—Wide Perfection  
 Guards. Per gross pairs  
 (3 doz. pr. in box) ....



Rugby.

The Rugby Clip—We have no hesitation in saying this is one of the best made. Grips the trousers hard and stays on.

Furnished in either blue lacquered or nickel finish.

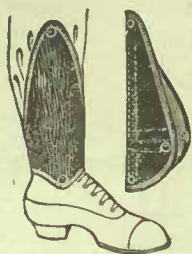
No. 497—Nickelled, per gross  
 pairs (3 doz. pairs in box) ...

No. 498—Lacquered, per gross  
 pairs (3 doz. pairs in box) ...

Prices Subject to Change Without Notice.



## Clip and Trouser Guard, Eclipse



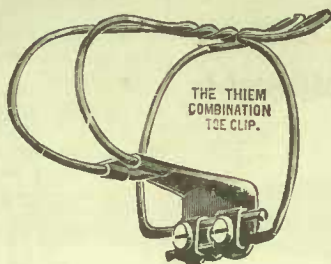
Pantasote guard, with pant clip inserted. Removed with slight pull at top. Can be comfortably concealed beneath trouser leg when not in actual use.

No. 530—Motorcycle size. Per dozen pairs (6 pr. in carton).

Dozen pairs .....

No. 527—Bicycle size. Per dozen pairs (6 pr. in carton) .....Doz. prs.

## Clips, Toe



The "Star" Combination.

Made of sheet steel and crucible steel wire, nickel plated and polished.

No. 495—Per dozen pairs (1 doz. pr. in box) ..Doz. pr.

## Cotter Pins, Crank Assorted



Furnished complete with nut, well nicked and polished. Furnished in following sizes:  $\frac{5}{16}$ ",  $\frac{11}{16}$ ",  $\frac{3}{8}$ ",  $\frac{13}{16}$ ".

No. 1415—Price (1 gross in box) .....Per dozen



## Cyclometers, Veeder Bicycle

Veeder Bicycle Cyclometers come in two styles. The 10,000 Mile is dust proof, water proof, absolutely correct, small and light, every part being as accurately made as the parts of a watch.

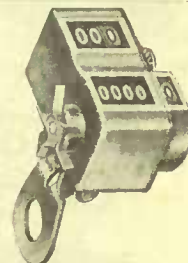
The Trip style is practically two

cyclometers side by side. One records the total mileage, the other records the trip.

Each in small carton (12 in large counter display carton).

No. 514—10,000 Mile ....Each

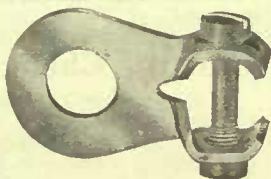
No. 515—Trip .....Each



No. 515—Trip.

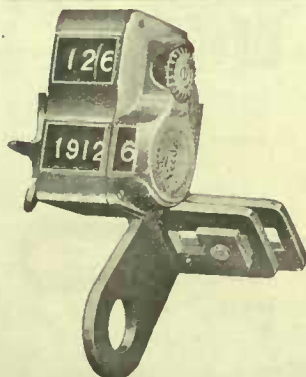
## CYCLOMETER BRACKET Veeder Bicycle

No. 516 .....Each



## CYCLOMETER STRIKER Veeder Bicycle

No. 517 .....Each



No. 511—Trip.

## Cyclometers Veeder Motorcycle

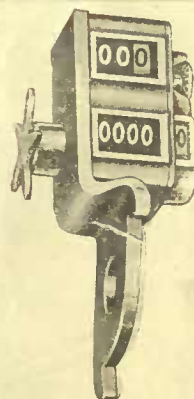
The Trip style is practically two cyclometers side by side. One registers the total mileage, the other records the trip. Packed each in a small carton, with complete instructions. (12 small cartons in large carton.)

No. 511—For 26" wheel, including Bracket and Striker (12 in box) .....Each

No. 520—For 28" wheel, including Bracket and Striker (12 in box) .....Each

No. 518—Special Harley-Davidson Model for 1916, 1917 and 1918 Motorcycle, complete with bracket and Striker (12 in box) .....Each

NOTE—When ordering, state serial number of Bracket required.



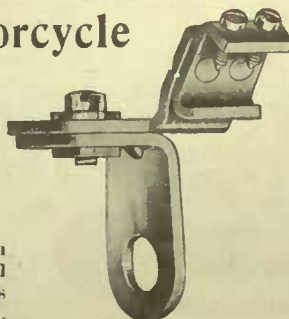
No. 518.

## Cyclometer Brackets, Motorcycle

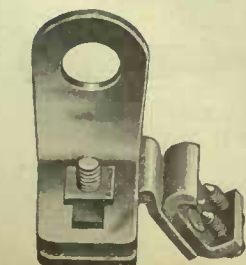
No. 546 — (H-7) — For Indian, Pope and Excelsior machines .....Each

No. 513 — (H-10) — For all other makes except Harley-Davidson. Each

Note. — Harley-Davidson Motorcycles require special brackets, which are always sold complete with H.-D. Cyclometers.

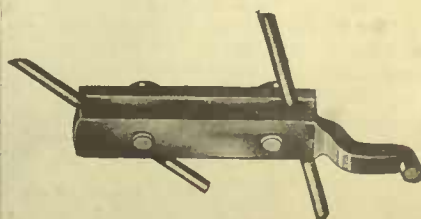


No. 546.  
H-7 Bracket.



No. 513—H-10 Bracket.

## Cyclometer Striker Motorcycle



No. 512 ....Price, each



## Cones Adjustable

- No. 502 —  $\frac{5}{8}$ " 24 Thread ..... Each  
 No. 503 —  $\frac{3}{4}$ " 24 Thread ..... Each

## Crank Repair Tips



For repairing cranks broken at the pedal end. Drop forgings.

Threaded  $\frac{1}{2}$  x 20, in pairs, right and left.

- No. 509R—Right ..... Each  
 No. 509L—Left ..... Each

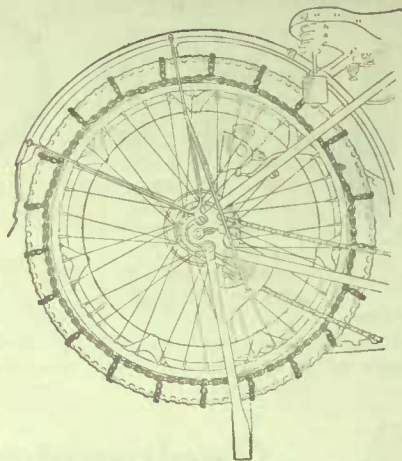
## Cushion for Passenger Carrying (Motorcycle)



This is a spring cushion, with soft, stuffed cover and board bottom. Finished in leatherette with folded corners and full bound base. Furnished in red and brown. Size 14" x 8  $\frac{3}{4}$ " x 4  $\frac{1}{2}$ ". Fitted with four attaching brackets.

- No. 411 ..... Each

## Chains, Tire Weed Motorcycle



Made for service. Are thoroughly practical and safe. Easily attached. Take up little room in tool bag, and can be carried in pocket. Packed one in a canvas bag.

- No. 485—26 x 2  $\frac{1}{2}$  ..... Each  
 No. 486—28 x 2  $\frac{1}{2}$  ..... Each  
 No. 487—28 x 2  $\frac{3}{4}$  ..... Each  
 No. 488—29 x 2  $\frac{3}{4}$  ..... Each  
 No. 489—28 x 3 ..... Each

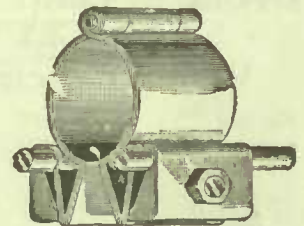
### Cross Chains.

- No. 490—2  $\frac{1}{2}$ " ..... Each  
 No. 491—2  $\frac{3}{4}$ " ..... Each  
 No. 492—3" ..... Each

## Clamp, Chalfant

A Clamp for attaching to top bar of frame for purpose of lowering saddle by bringing it closer to the frame than the seat post would allow. No seat post is necessary when this clamp is used.

- No. 574—1" size ..... Each  
 No. 575—1  $\frac{1}{8}$ " size ..... Each



## Drivers, Screw

Made from smooth, flat steel, with rounded corners. Blade is hardened and point ground. Nicely nicked.

- No. 18043—Per dozen (50 in box) .....



No. 18043.



No. 655.

### Wire.

This driver is made from the best quality of steel wire, carefully tempered.

- No. 655—Per dozen (1 gross in box) .....

- No. 18235—Bridgeport, wood handle, 5" hexagon blade (12 in box) ..... Per dozen



No. 18235.

### Yankee Ratchet, 5 in. Blade.

Material and workmanship are of superior quality in every detail. Strong, durable, handsomely finished; thoroughly tested. Nickel plated. Right, Left and Rigid.

- No. 18044—Price (6 in box) ..... Each



No. 18044. Right, Left and Rigid.

Prices Subject to Change Without Notice.



## Drivers, Screw (Continued)

**Yankee Ratchet, 1 1/4 inch Blade.**

Made for special use of gunsmiths, fitters, electricians and mechanics, requiring a strong, substantial screw driver with a short stub blade. It is right or left hand, and rigid.

No. 18045—Each (6 in box) .....



No. 18045.

**Spiral Ratchet Screw Driver, No. 657.**



Right and left hand and rigid.  
Can be set rigid at any part of its length.

No. 657—Price (each in carton) ..... Each

No. 657. Right and Left Hand and Rigid.

**Spoke Nipple Screw Driver, No. 658.**

It is beautifully finished, and is the very best tool for bicycle spoke nipples. Centre of blade is hollow to allow for spoke. Handle is not fluted, as shown in cut.

No. 658—Per dozen .....



No. 658.

**Vlcek Motor Cycle Screw Driver**

Square shanked for turning tight screws with aid of wrench. Length of blade 5". Length over all, 10 1/2". (6 in box).

No. 659—Price ..... Per dozen.



No. 659.

## Die Sets (See page 61)

**C.C.M.**

Supplied in the following colors: Black, "Indian" Motorcycle Red, Robin's Egg Blue, Maroon, Tribune Blue, Bullfrog Green, Golden Brown, White, Excelsior Gray, Excelsior Service Green, Harley-Davidson Service Green, Harley-Davidson Gray, French Gray.

No. 703—1/4 pint tins (wine measure),  
Black .... Per dozen  
No. 704—1/4 pint tins (wine measure),  
Colors .... Per dozen  
No. 714—1/4 pint tins (wine measure),  
White .... Per dozen  
No. 705—1 pint tins (wine measure),  
Black ..... Each



(Made in Canada)

## Enamels, Air Drying

**Club Black**

**Special Hard Drying**

(Two Sizes.)

This enamel is very convenient for repair shop use, as it dries hard in fifteen or twenty minutes.

No. 701—Club—Small size  
(2 gross in box). Per dozen.

No. 702—Club—Large size  
(1 gross in box). Per dozen



Club Enamel.

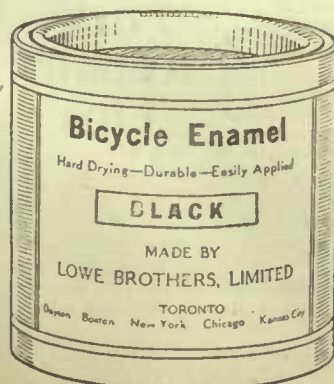
## Enamel Lowe's

(Made in Canada)

A high grade, air-drying enamel, which dries with a beautiful brilliant lustre.

No. 713—1/4 pint cans, Imperial measure, black only .... Dozen

"The Dealers' Interests Are Our Interests."



## Enamel, Baking

No. 710—Black (Imperial measure), 1 pint cans ..... Per dozen

**Aluminum Paint**

Dealers will find this Paint an all-round seller for decorative purposes. A beautiful and untarnishable finish for frames, forks, wood rims, guards and nickel work. Has the appearance of frosted silver. Supplied as follows:

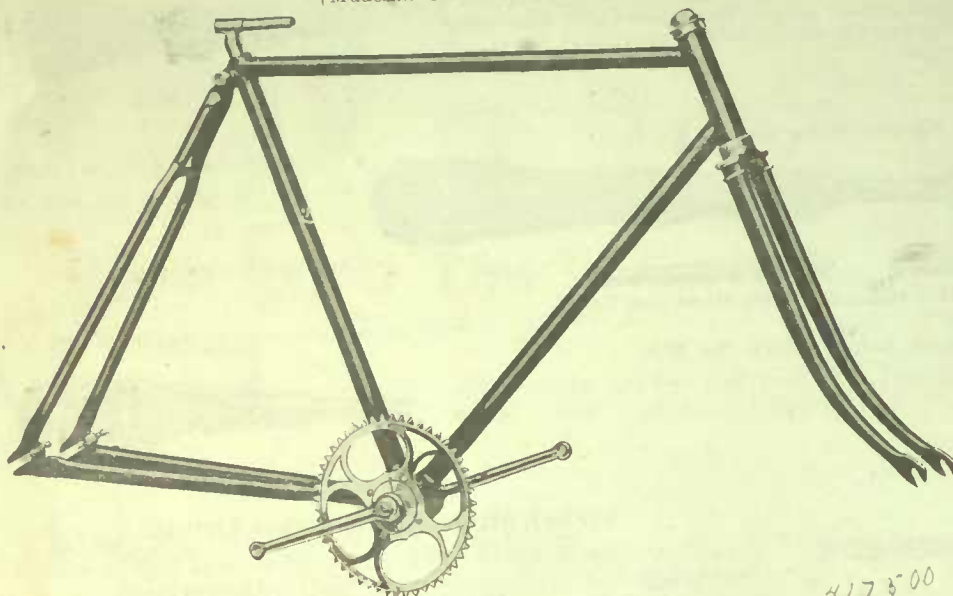
No. 711—Aluminum, 1/4 pint ..... Per dozen  
No. 712—Aluminum, 1/2 pint ..... Per dozen



(Made in Canada)

# Frames and Forks, Model T

(Made in Our Own Factory)



**T Frame, Forks and Fittings, as above (Black)** ..... 4175<sup>00</sup>  
 This frame used in all C.C.M. Bicycles. We manufacture one frame only.  
 Extra for Colored Enamel .....  
 Extra for Colored Sunburst Head .....  
 Extra for Stripping .....

## "Hercules" Repair Forks



(Made in Our Own Factory)

## Fork Stems only

(Made in Our Own Factory)

**No. 756**—24 Thread for Canadian Bicycles. .... Price, each  
**No. 757**—30 Thread for Canadian Bicycles. .... Price, each  
**No. 758**—26 Thread for English Bicycles. .... Price, each

## "Hercules" Repair Forks

We supply these as per following specifications:  
 Fork sides and crown enamelled black; 10" stem.

**No. 749**—Double Plate Crown, 24 thread, enamelled ..... Each  
**No. 755**—Double Plate Crown, 26 thread, enamelled ..... Each  
**No. 750**—Double Plate Crown, 30 thread, enamelled ..... Each  
**No. 761**—Double Plate Crown, not threaded, enamelled ..... Each

**NOTE.**—Above are now threaded for 26" frames, and can be fitted to 20", 22" and 24" frames by cutting to the necessary length.

## Fork Stem Set, Derby



(Made in Canada)

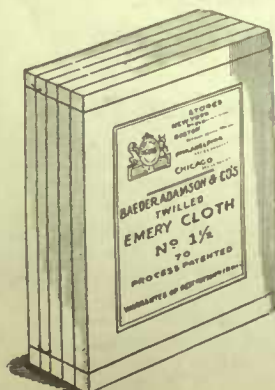
**Die and Guide**—2 3/4" diameter, Cutting Thread 1" x 24", with 26" stock. Packed in wooden box; Set Screw packed in end of Die Holder.

**No. 2115**—Each .....  
 Extra Dies, for Cutting Threads 1" x 24, 26, 28 or 30 stock ..... Each

## Emery Cloth

We stock in sheets 9" x 11"  
 B. & A. Twilled Black Emery Cloth, as below:

**No. 4003**—(Fine) (1 quire pkg.). Per doz. 275<sup>00</sup>  
**No. 700**—(Medium) (1 quire pkg.). Per doz.  
**No. 4004**—(Coarse) (1 quire pkg.). Per doz.



## Fork Repair Tips

Drop forged. Supplied in 7/8" and 1".  
**No. 2120**—7/8" ..... Per dozen pair  
**No. 2121**—1" ..... Per dozen pair

### DEALERS' NAMEPLATES.

If you require a special nameplate, send us your sketch with particulars, and we will submit a drawing and definite quotation. Regular type nameplates finished in one color, a choice of nickel-plated, oxidized silver or gold plated.

25 Nameplates ..  
 50 Nameplates ..  
 100 Nameplates ..  
 200 Nameplates ..

Extra for two-colored plate... Per 100  
 Extra for enamelled name ... Per 100

Prices Subject to Change Without Notice.



## Frame Parts for Hygienic Cushion Frames

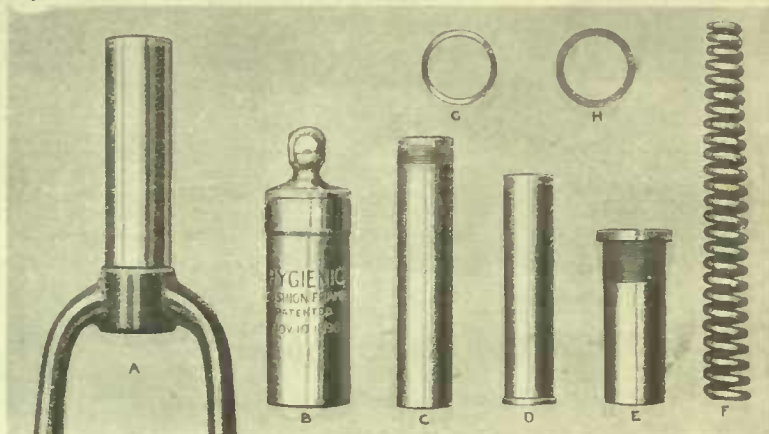
- No. A.—Rear Upper Hygienic Fork Assembly, stripped.  
..... Each  
No. B.—Dust Cap and Head.  
..... Each  
No. C.—Plunger Tube. Each  
No. D.—Cartridge .... Each  
No. E.—Brass Bushing. Each  
No. F.—Spring ..... Each  
No. G.—Steel Washer. Each  
No. H.—Leather Washer.  
..... Each

(There is a leather plug fitted in the rear upper fork assembly which is used as a cushion for the cartridge, eliminating any rattling noise.)

**Note.**—When ordering Spring (give number), state whether for 22" or 24" frame.

No. 1, for riders weighing 100 lbs. to 125 lbs.

No. 2, for riders weighing 125 lbs. to 150 lbs.



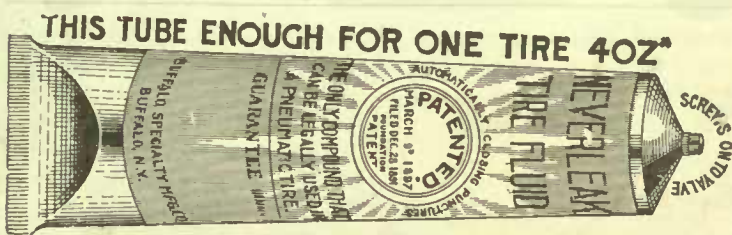
(Made in Our Own Factory)

No. 3, for riders weighing 150 lbs. to 175 lbs.

No. 4, for riders weighing 175 lbs. to 200 lbs.

No. 5, for riders weighing 200 lbs. to 250 lbs.

Much of the benefit from this splendid feature is lost if the spring is not fitted to the rider's weight.



## Fluids, Tire

"Neverleak."

Per doz.

No. 751—4 oz. tubes (12 in box).....

## Grips, Handlebar



(Made in Canada)

No. 823.

Sewn Leather Grips, Brown. For 7/8" bars.

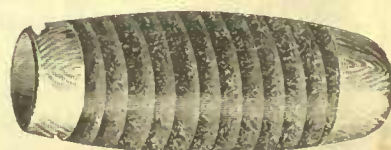
No. 823—(1 doz. prs. in box).  
.....Per pair 3 26 1/2



No. 822—4.

No. 824 (75)—Leather wound, 7/8" nickeled ferrules (1 doz. prs. in box). Doz. prs.

No. 822 (75)—Leather wound, 3/4" nickeled ferrules (1 doz. prs. in box). Doz. prs.



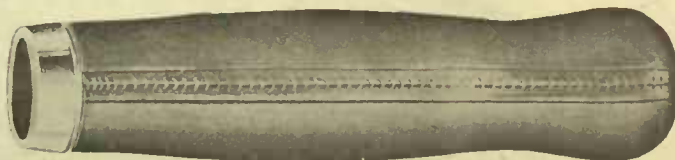
No. 825.

No. 825 (68)—Leather wound, wood tips (1 doz. prs. in box) .....Doz. prs.



No. 826.

No. 826 (171)—Celluloid Bluemel (English manufacture) (1 doz. prs. in box) .....Dozen pairs



No. 828.

No. 828—Bull Dog. First quality sewn leather grips, 7/8" (1 doz. prs. in box) .....Pair

"The Dealers' Interests Are Our Interests."

## Grips, Handlebar (Continued)

### Liberty



A rubber grip of neat design, as illustrated, square ends, standard size.

No. 888 (157)—(1 doz. prs. in carton) ... Per pair

### Corrugated Rubber

This is a moulded grip made of rubber throughout, reinforced with heavy fabric inside, and fitted with strong nickeled ferrule. Length over all 3 3/4".



No. 874.

No. 874 (94)—(1 doz. prs. in box) ..... Per pair



No. 829.

No. 829—Boy Scout, Jr., woven steel reinforced rubber grips, 7/8" (1 pr. in box) ..... Pair

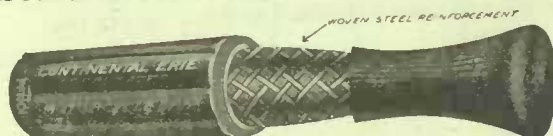
### Enduro Black Rubber

A well designed and popular priced Rubber Grip.

No. 882—One dozen pairs in a carton ..... Per pair



### Motorcycle Woven Steel Reinforced



These grips are made with an inner lining of fabric and steel reinforcement. Made in two styles as shown.

Regular Type—No. 830 (200)—Regular, 1" (one pair in box). Pair

No. 831 (200)—Regular, 1 1/8" (one pair in box). Pair

Indian Type—No. 864 (100)—For 1" bars. Corrugated. Special for Indian Motorcycle (one pair in box) ..... Per pair

## Grips, Nipple



Perfect.

Perfect.

Made in three sizes.

No. 832 (1)—Small, for general use (1 doz. in box). ..... Each

No. 833 (2)—Large, for repair work (1 doz. in box). ..... Each

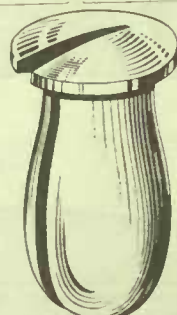
No. 834 (3)—Auto, for heavy work (1 doz. in box). Each



"Clifford."

Nickel Plated.

No. 836—Clifford ..... Per doz.



Neverslip.

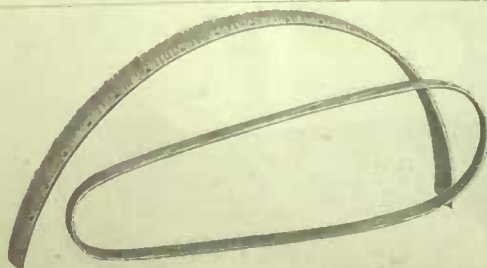
(Made in Canada)

The harder you pull the tighter it holds.

Heavily nickel-plated, end buffed.

No. 835—Per doz. ...

## Guards



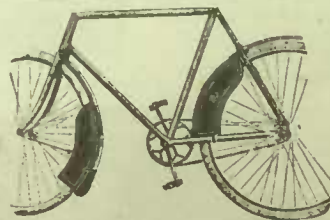
(Made in Our Own Factory)

Guards, Wood Dress and Chain

No. 850—Dress only, plain maple ..... Each  
No. 851—Dress only, plain oak ..... Each  
No. 852—Chain only, plain maple ..... Each  
No. 853—Chain only, plain oak ..... Each

These guards are all made from selected maple and oak. They are all highly finished. Eyeletted unless otherwise ordered.

Made of celluloid, light yet durable, and a very effective article for keeping mud off your clothes.



### Bluemel Side Mud Guards

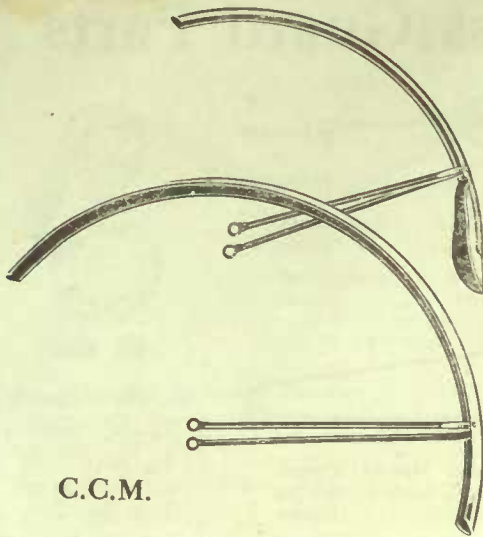
No. 867—Front and Rear (packed 3 pairs in one box) ..... Pair

No. 868—Front only (2 in box) ..... Each

No. 869—Rear only (3 in box) ..... Each

Prices Subject to Change Without Notice.





C.C.M.

- No. 843—Rear Guard only, for rigid frame ..... Each  
 No. 878—Rear Guard only, for hygienic frame ..... Each  
 No. 886—Oval flaps only ..... Per dozen  
 No. 887—Braces only ..... Per dozen  
 Extra for gold striping on above ..... Per pair  
 Extra for maroon and gold striping on above ..... Per pair  
 Extra for other colors with gold striping ..... Per pair

NOTE.—Only black and maroon guards carried in stock; other colors made to special order.

## Guards

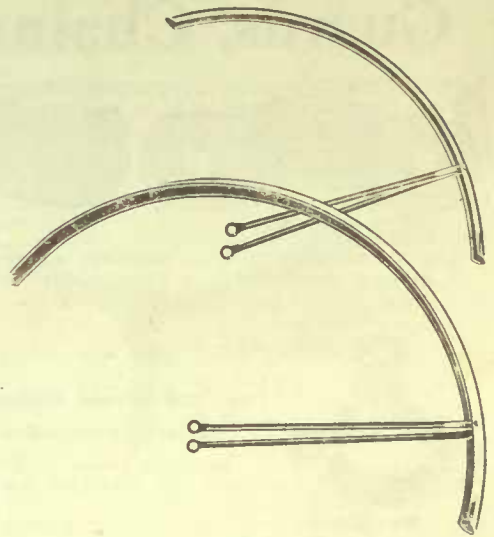
### Steel, Mud

C.C.M., with flaps.  
 Black enamelled steel guards, equipped with heavy leather oval flaps and steel braces, as supplied on C.C.M. Grade A Bicycles.

No. 840—Front and Rear, with flaps, for rigid frame ..... Each  
 ... Per pair

No. 841—Front and Rear, with flaps, for hygienic frame ..... Each  
 ... Per pair

No. 842—Front Guard only, with flap.. Each



## Comfort, Less Flaps

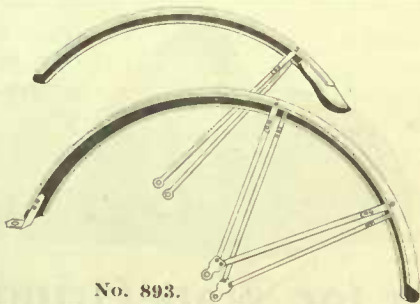
- No. 885—Front and Rear, less flap, for rigid frame ..... Per pair  
 No. 884—Front Guard only, less flap, for rigid frame ..... Each  
 No. 843—Rear Guard only, less flap, for rigid frame ..... Each  
 No. 887—Braces only ..... Per dozen  
 Extra for gold striping on above ..... Per pair  
 Extra for maroon and gold striping on above ..... Per pair  
 Extra for other colors with gold striping.. ..... Per pair

NOTE.—Only Black and Maroon Guards carried in stock; other colors made to special order.



## Tubular Rivets

For C.C.M. Mud Guard Flaps ..... Per 100 \$0.60



No. 893.

## DOUBLE BRACE MUD GUARDS, for Model "W."

C.C.M. Motorbike.

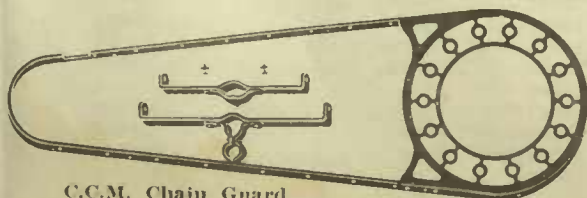
- No. 893—Front and Rear, with flap, double brace on rear guard. Black ..... Per pair  
 Extra for green and gold stripe, or red with green stripe, the two standard colors of C.C.M. Motorbike ..... Per pair

## Guards, Chain, Metal



Metal Chain Guard, with Parts.

- No. 838—Complete with fittings ..... Each



C.C.M. Chain Guard.

## Guards, Steel, Dress and Mud

- No. 890—C.C.M. Front and Rear, with flap, eye-letted ..... Per pair  
 (No. 842 Front Guard used.)  
 No. 891—Comfort Front and Rear, less flap, eye-letted ..... Per pair  
 (No. 884 Front Guard used.)  
 No. 892—Rear Guard only, eyeletted..... Each  
 No. 842—C.C.M. Front Guard only, with flap.... Each  
 No. 884—Comfort Front Guard only, less flap.... Each  
 No. 886—Flaps only ..... Per dozen  
 No. 887—Braces only ..... Per dozen  
 Gold striping and colors extra as for C.C.M. and Comfort Men's Guards.



No. 839.

Adjustable to stretch of chain and to difference of length between centres of axles.

- No. 839—With attaching parts ..... Each

## Chain Guards, C.C.M.

As equipped on C.C.M. Ladies' Bicycles.

Metal Disc type, as illustrated, completely enclosing sprocket, and with continuous maple rears, eyeletted ready for lacing.

- No. 889—Complete with fittings, full black enamel....  
 ..... Each

Only Black and Maroon Chain Guards in stock; other colors made to special order.

# Guards, Chain and Dress Guard Parts



No. 857.

Top Connection, including Bolts and Nuts .....Doz.

No. 858.

Bottom Connection, including Bolts and Nuts ....Doz.



No. 860.

No. 860—Front Connection, nickel plated .....Dozen

No. 861.

No. 861—Rear Connection, nickel plated .....Dozen



No. 863.

No. 863—Lacing Loops, nickel plated.  
Doz. pr..



No. 859.

No. 859—Front Connection, complete with round head machine screw ...Per doz.



No. 862.

No. 862—Dress Guard Brace, round, nickel plated (25 in package) .....Dozen

## Guard Lacing, Silk



(Made in Canada)

Supplied in 18-yard hanks, in black or in Cleveland brown.

Black silk guard lacing is standard equipment on all 1917 and 1918 C.C.M. Bicycles. Cleveland Brown was standard equipment on 1916 bicycles.

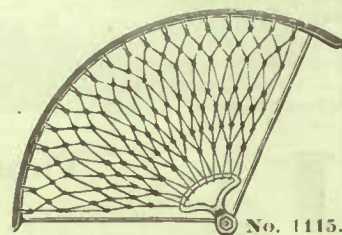
No. 1105—Black .....Per doz.

No. 1106—Cleveland brown .....Per doz.

## Guard Lacing, Detachable

Each net is firmly attached to a nickel plated bracket or clip, which is designed to be placed beneath the nut on the rear axle. These nets are water-proof.

No. 1115—Per pair (1 doz. in box, assorted) .....

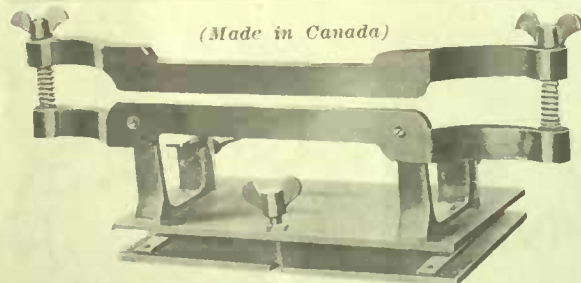


No. 1115.

## Gauge, Screw Pitch

For gauging the pitch of inside and outside threads. All pitches from 4 to 40.

No. 854—Price .....22.00 Each



(Made in Canada)

## Holder for Skate Grinding

An adjustable, easily operated Skate Grinding Holder, which is accurate. The bottom plate is fitted with ball bearings, which make it run very easily. Improved design.

No. 881 .....Each

## Hack Saw Blades



Flexible Backs

The teeth only are hardened, the back remaining soft, i.e., not tempered. The blade will neither snap nor break. Supplied in 18 teeth to the inch for ordinary work, and 32 teeth for cutting tubing. All blades come in packages of 72 each.

No. 18011—8", Coarse	.....Dozen
No. 18012—9", Coarse	.....Dozen
No. 18013—10", Coarse	.....Dozen
No. 18014—11", Coarse	.....Dozen
No. 18015—12", Coarse	.....Dozen
No. 18006—8", Fine	.....Dozen
No. 18007—9", Fine	.....Dozen
No. 18008—10", Fine	.....Dozen
No. 18009—11", Fine	.....Dozen
No. 18010—12", Fine	.....Dozen

## Hack Saw Frames



(Made in Canada)

Lock Extension—Made of best quality steel, hand-somely finished and nicked. Takes blades from 8 to 12 inches, inclusive. One blade supplied.

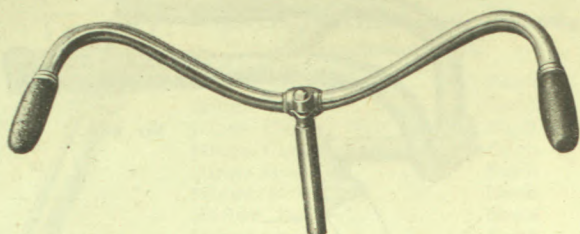
No. 18020—(2 in box) .....4.00 Each

Prices Subject to Change Without Notice.



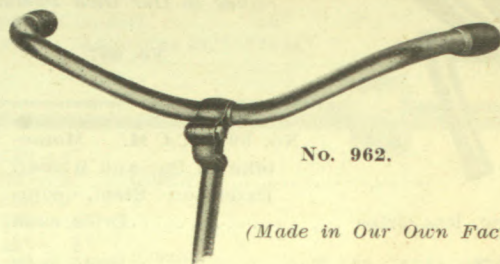
# Handlebars

For illustrations of H.B. Stems separately and for size specifications of H.B. Tops, see following pages.



No. 955. (Made in Our Own Factory)

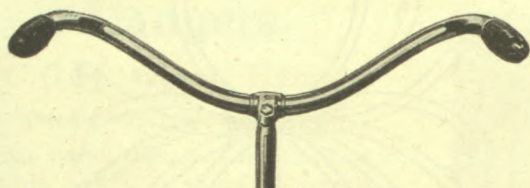
- No. 955—(5 1/2)—C.C.M. Regular H. Bar and Post Complete, less Grips ..... Price, each 2/606  
 No. 956—20" Top ..... Price, each 2/907  
 No. 957—C.C.M. Plain Stem, 7/8 x 5" long. .... Price, each 4/752



No. 962.

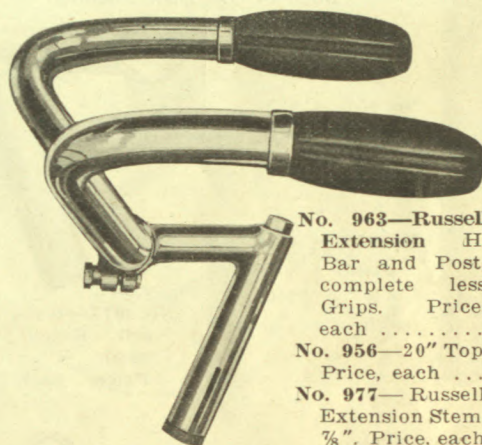
(Made in Our Own Factory)

- No. 962—Sills Hygienic H. Bar and Post, less Grips ..... Price, each 2/2508  
 No. 956—20" Top ..... Price, each 4/905  
 No. 964—Sills Hygienic Stem, 7/8 x 5 1/2" long. .... Price, each 4/2004



No. 953. (Made in Our Own Factory)

- No. 953—C.C.M. Regular (24" Top) H. Bar and Post, less Grips ..... Price, each 5/1757  
 No. 960—24" H. Bar Top ..... Price, each 5/500  
 No. 958—C.C.M. Plain Stem, 7/8 x 6 1/2" long. .... Price, each 5/804



- No. 963—Russell Extension H. Bar and Post, complete less Grips. Price, each ..... 8/2003  
 No. 956—20" Top. Price, each ... 8/904  
 No. 977—Russell Extension Stem, 7/8". Price, each 1/1202

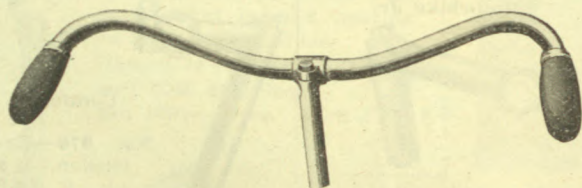
No. 963.

No. 968.

- No. 968—Comfort Extension H. Bar and Post, complete, less Grips .... Price, each 2/256

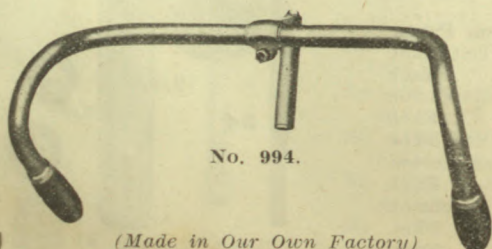
- No. 966—Comfort Top, 20" ..... Price, each 2/757

- No. 970—Comfort Extension, 7/8 x 4 1/2" x 2 3/4" extension ..... Price, each 4/552



No. 965.

- No. 965—Comfort H. Bar and Post, complete less Grips ..... Price, each 8/150  
 No. 966—Comfort Top, 20" ..... Price, each 4/757  
 No. 979—Comfort Plain Stem, 7/8 x 5 1/4" ..... Price, each 9/459



No. 994.

(Made in Our Own Factory)

- No. 994—C.C.M. Racing H. Bar and Post, complete, less Grips ..... Price, each

- No. 974—(25)—17" H. Bar Top ..... Price, each 9/1252

- No. 977—Russell Extension Post, 7/8" ..... Price, each 8/203

"The Dealers' Interests Are Our Interests."



# Handlebars (Continued)



(Made in Our Own Factory)

No. 997.

No. 997—C.C.M. Motorbike H. Bar and Russell Extension Stem, complete, less Grips .....

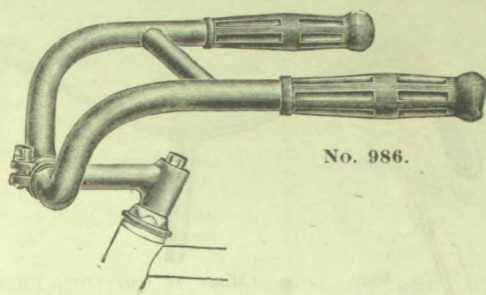
Price, each

No. 976—(27)—20" Top .....

Price, each

No. 977—Russell Extension, 7/8" ....

Price, each



No. 986.

No. 986—"Motorbike Junior" H. Bar and Extension Stem, less Grips .....

Price, each

No. 987—"Motorbike Junior," Top only. Price, each

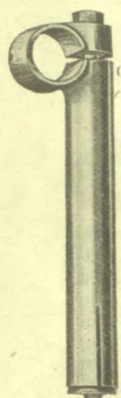
No. 988—Stem only, 7/8". Length 4". Extension

4 1/4" forward, 1" downward .....

Price, each

## Handlebar Posts

(Made in Our Own Factory)



C.C.M.

No. 957—C.C.M.

plain. 7/8 x 5".

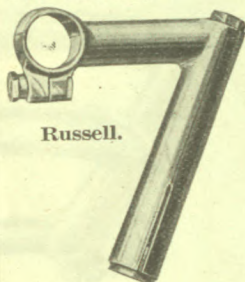
Price, each. 8750

No. 958—C.C.M.

plain. 7/8 x

6 1/2". Price,

each ..... 5806

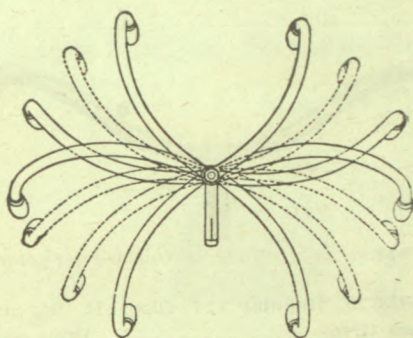


Russell.

No. 977—Russell Extension.

7/8" ....

Price, each 61202



No. 969—Kelly Extension H. Bar and Post, complete, less Grips .....

B8—(Double row teeth) right side arm. Price, each

B8a—(Single row teeth) left side arm. Price, each

No. 996—Kelly 2 1/2" Extension Stem... Price, each

Gooseneck.



No. 985—Gooseneck

Extension, stem

7/8". Price.. Each

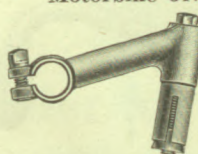


No. 989.

The new Extension Stem, which promises to be popular.

No. 989—Extension, 7/8" ..... Each 3806

Motorbike Jr.



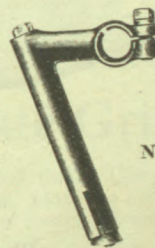
No. 988—"Motorbike

Jr." Stem, 7/8 x 4

x 4 1/4" forward, 1"

downward. Price,

each .....



Comfort.

No. 970—Ex-

tension, 7/8 x

4 1/2 x 2 3/4"

extension.

Price, each.

Comfort. ....

No. 984—Extension,

7/8 x 9 x 2 3/4"

extension. Price,

each ..... 38150



COMFORT, PLAIN.

No. 979—Plain, 7/8 x 5 1/4" .... Each 3493

No. 967—Plain, 3/4 x 5 1/4" .... Each 3513

No. 978—Plain, 1 1/8 x 5 1/4" .... Each

No. 971—Plain, 1 x 5 1/4" .... Each 2804

No. 972—Plain, 3/4 x 9" .... Each

No. 982—Plain, 1 1/8 x 9" .... Each

No. 983—Plain, 7/8 x 9" .... Each

KELLY STEMS.

No. 996—"Kelly" 2 1/2" Extension Stem. Price, each .....

"Kelly Stem Parts.

B2—Forward Extension

Stem Nut ..... Each

B3—Forward Extension

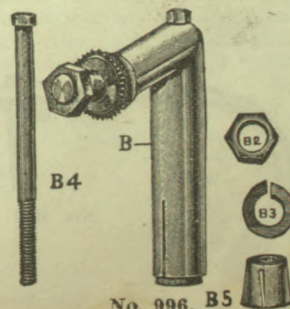
Stem Washer .... Each

B4—Forward Extension

Stem Expander Screw. .... Each

B5—Forward Extension

Stem Expander Plug. .... Each



No. 996. B5

Prices Subject to Change Without Notice.



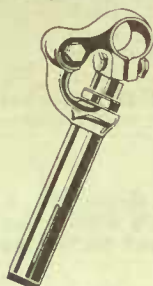
## Handlebar Post

(Made in Our Own Factory)

No. 964—Sills' Hygienic,  $\frac{7}{8}$ " x  $5\frac{1}{2}$ " .....Each

### EXTRA PARTS Sills' Hygienic Handlebar Post.

Post (stripped) .....Each  
Hinge Clamp .....Each  
Hinge Clamp Bolt .....Each  
Hinge Clamp Bolt Nut .....Each  
Hinge Bolt .....Each  
Hinge Bolt Nut .....Each  
Hollow Bolt .....Each  
Expander .....Each  
Plunger .....Each  
Spring .....Each



No. 964.

## Handlebar Bolts (with Expander Plug)

Bolts (Handlebar) with Expander Plug—These Bolts are manufactured from carefully selected steel, and are nicely finished. They have fine hexagon nickelled heads, and can be supplied in the following lengths:

## Handlebar Tops

Width. Forward Raise Price.  
Bend. or Drop. Each.

No. 956—(C.C.M.) ..... 20" 2" 4"  
No. 960—(24) ..... 24" 2" 5"  
No. 974—(25) ..... 17" 1 $\frac{3}{4}$ " 5 $\frac{3}{4}$ "  
No. 976—(27) ..... 20" 0" 6"

NOTE.—All of the above tops are made in our own Factory.

No. 966—Comfort ..... 20" 1 $\frac{1}{4}$ " 3"  
No. 987—"Motorbike Jr." 20 $\frac{1}{2}$ " 4"



No. 286—4" }  
No. 287—5" } Dozen.....  
No. 288—6" }  
No. 289—7" }  
No. 290—8" } Dozen.....  
No. 291—9" }  
No. 292—10" }  
No. 293—12" } Dozen .....  
No. 307—Expander Plugs, per dozen.....

## Extra Parts For C.C.M. Crank Hanger

## Hangers

### C.C.M. Crank Hanger

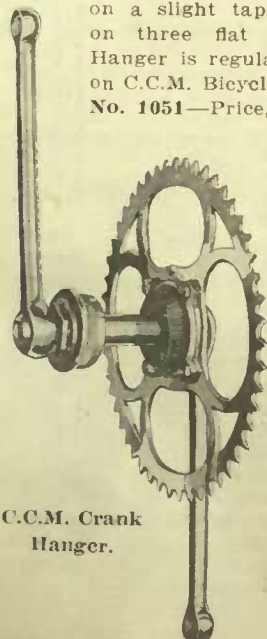
(Model "T," 1917 and 1918.)

The Crank Hanger is the heart of a bicycle, and it is therefore essential that it be designed on correct principles and carefully tooled and machined.

C.C.M. Cranks are drop forgings. Crank Hanger Cups and Cones are turned from bar steel, and ball races are ground perfectly true and polished. The machining is carefully and correctly done, resulting in perfect adjustment. The Cranks fit on the axle

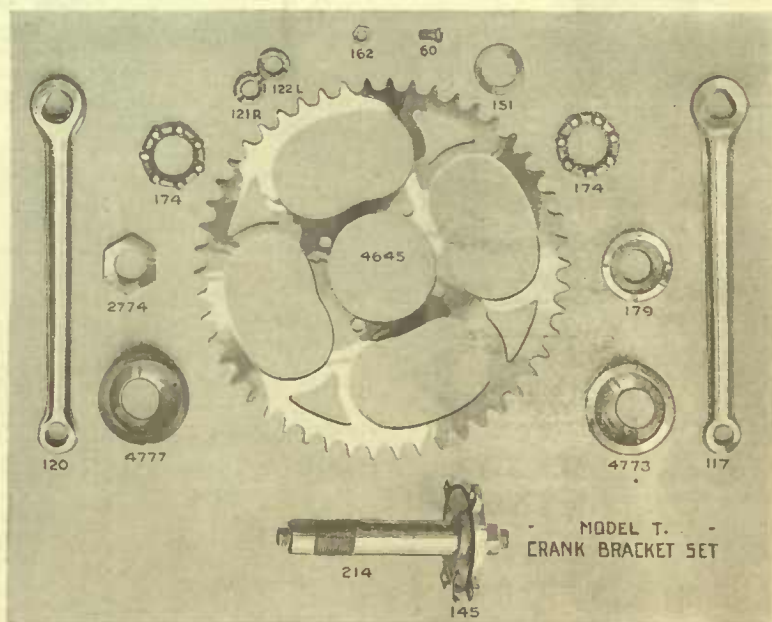
on a slight tapered bearing on three flat slides. This Hanger is regular equipment on C.C.M. Bicycles.

No. 1051—Price, each \$3.25



C.C.M. Crank Hanger.

(Made in Our Own Factory)



MODEL T. CRANK BRACKET SET

(Made in Our Own Factory)

1916, 1917 and 1918 Models.

No. 214—Axle used 1916/17/18.

.....Each

No. 145—Stationary Cone used

1916/17/18 .....Each

(Stationary Cone assembled on

axle. See cut.)

No. 179—Adjusting Cone used

1916/17/18 .....Each

No. 174—Ball Cages (322) less

balls ( $\frac{1}{8}$  ball used), used

1916/17/18 .....Doz.

No. 2774—Lock Nut, used

1916/17/18 .....Each

No. 151—Lock Nut Washer, used

1916/17/18 .....Each

No. 117R.—Right-hand Crank, used

1916/17/18 .....Each

No. 120L.—Left-hand Crank, used

1916/17/18 .....Each

No. 121R.—Right-hand Crank Jamb

Nut, used 1916/17/18 .....Each

No. 122L.—Left-hand Crank Jamb

Nut, used 1916/17/18 .....Each

No. 4645—Sprocket, 50 tooth,  $\frac{1}{2}$ "

pitch,  $\frac{1}{8}$ " wide, used 1916/17/18

.....Each

No. 60—Sprocket Bolt, used

1916/17/18 .....Doz.

No. 162—Sprocket Bolt Nut, used

1916/17/18 .....Doz.

Steel Balls—5/16, used 1916/17/18.

.....Per gross

Coupler and Ball Cases (ball bearing

sleeve), used 1916 only (not

shown in plate) .....Each

Ball Case Collar—(Ball Retainer

washer), used 1916 only (not

shown in plate) .....Each

No. 4777—Right Cup (black finish),

used 1917 and 1918 only, model

T .....Each

No. 4773—Left Cup (nickel plated

finish), used 1917 and 1918 only,

model T. ....Each

"The Dealers' Interests Are Our Interests."

## HANGERS, Extra Parts for Hercules Crank Hanger

For replacement on Model "F" Bicycles.

Cranks and Axle (one-piece) .....	Each
Stationary Cone .....	Each
Adjusting Cone .....	Each
Lock Nut .....	Each
Lock Nut Washer .....	Each
Ball Cups .....	Each
Ball Cage (No. 321), less balls .....	Doz.

(Made in Our Own Factory)

Balls, $\frac{5}{8}$ " .....	Gross
Dust Shield .....	Each
Sprocket, 50 x $\frac{1}{2}$ x $\frac{1}{8}$ " .....	Each
No. 1911—Special Stationary Cone Spanner for "Hercules" Hanger .....	Each
Width of Hanger .....	2 $\frac{31}{64}$ inches
Outside diameter of Ball Cups .....	1 $\frac{61}{64}$ inches

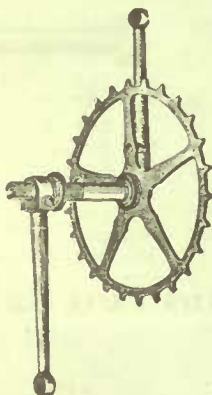
## HANGER, Stevens' Repair

The only Hanger which will fit absolutely every size bracket. One size does it all.

This is a two-piece Hanger, with shaft milled flat on one side long enough to reach through any old style hanger.

The crank shaft and left hand crank are threaded. After adjusting the cones, screw left crank up against lock nut, put in cotter pin and saw off the shaft to desired length. All sizes of cups and cones to fit same are carried in stock.

In ordering, it is advisable to send sample of bracket cup, or, where that is not possible, the exact inside diameter of the crank bracket.



Cones—No. 551/2 supplied with Group No. 1, No. 533/4 with Group No. 2, No. 555/6 with Group No. 3, No. 557/8 with Group No. 4, and No. 559/60 with Group No. 5.

Price, complete with Cups (one in box). Each  
 Price, less Cups ..... Each || Cups, Nos. 501-521 ..... | Per pair |
Cones, Nos. 551-560 .....	Per pair
11/16" x 24 Lock Nuts .....	Each
11/16" "D" Washers .....	Per 100
$\frac{3}{8}$ " Cotter Pins .....	Dozen
Sprockets, 3/16 x 24 and 26 tooth.....	Each
Sprockets,  $\frac{1}{4}$  x 24 and 26" tooth.....	Each
Right Crank and Axle .....	Each
Left Crank .....	Each

Below we give a list of all the cups and cones and their sizes, and also state which cups each pair of cones will fit. Every cup and cone has a number. Order by number.

### CUPS.

Cup Number.	Outside Diameter.	Size of Balls.
Group No. 1 .....	501 1 $\frac{1}{2}$ in.	1/4
	502 1 $\frac{17}{32}$ in.	1/4
	503 1 $\frac{9}{16}$ in.	1/4
Group No. 2 .....	504 1 $\frac{19}{32}$ in.	5/16
	505 1 $\frac{5}{8}$ in.	5/16
	506 1 $\frac{21}{32}$ in.	5/16
	507 1 $\frac{11}{16}$ in.	5/16
	508 1 $\frac{23}{32}$ in.	3/8
Group No. 3 .....	509 1 $\frac{3}{4}$ in.	3/8
	510 1 $\frac{25}{32}$ in.	3/8
	511 1 $\frac{13}{16}$ in.	3/8
	512 1 $\frac{27}{32}$ in.	3/8
	513 1 $\frac{7}{8}$ in.	3/8
Group No. 4 .....	514 1 $\frac{29}{32}$ in.	3/8
	515 1 $\frac{15}{16}$ in.	3/8
	516 1 $\frac{31}{32}$ in.	3/8
	517 2 in.	3/8
Group No. 5 .....	518 2 $\frac{1}{32}$ in.	3/8
	519 2 $\frac{1}{16}$ in.	3/8
	520 2 $\frac{3}{32}$ in.	3/8
	521 2 $\frac{1}{8}$ in.	3/8

### CONES.

Cone Number.	Outside Diameter.	Inside Size.	Fits Group Number.
551	1 $\frac{3}{8}$ in.	11/16x24 L.H.	1
552	1 $\frac{3}{8}$ in.	3/4x24 R.H.	1
553	1 $\frac{7}{16}$ in.	11/16x24 L.H.	2
554	1 $\frac{7}{16}$ in.	3/4x24 R.H.	2
555	1 $\frac{5}{8}$ in.	11/16x24 L.H.	3
556	1 $\frac{5}{8}$ in.	3/4x24 R.H.	3
557	1 $\frac{3}{4}$ in.	11/16x24 L.H.	4
558	1 $\frac{3}{4}$ in.	3/4x24 R.H.	4
559	1 $\frac{13}{16}$ in.	11/16x24 L.H.	5
560	1 $\frac{13}{16}$ in.	3/4x24 R.H.	5

All the cups in any one group are of the same inside diameter, and therefore all cups of one group are fitted by one pair of cones. It takes only the five pairs of cones to fit the 21 sizes of cups. There are 21 outside diameters to the cups, but only five inside diameters.



## Head Fittings

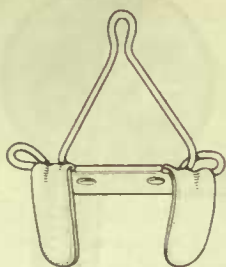
(For all C.C.M. High Grade Bicycles.)

4708—The following parts made up complete .....	Per set
4709—Adjusting Cone Lock Nut.....	Each
4703—Adjusting Cone Lock Washer.....	Each

4547—Upper Adjusting Cone .....	Each
4546—Ball Cage (5/32 balls used) upper or lower (less balls).....	Each
4548—Upper or lower cup .....	Each
4541—Stationary Cone .....	Each



## Holder, Bicycle Wall



**Bedley Top.**  
(Made in Canada)

**Bedley**—This holder is made from galvanized wire, the top holder being leather covered. It is furnished complete with brace and screws.

No. 990—Per dozen ...



**Bedley Bottom.**  
(Made in Canada)

"**Bedley Bottom**" is a plain wire holder not covered.

No. 992—Per dozen ...

The "**Gem**" is a plain holder leather covered. Screws supplied.

No. 991—Per dozen ...



**Gem.**

(Made in Canada)

## Horns, Bicycle

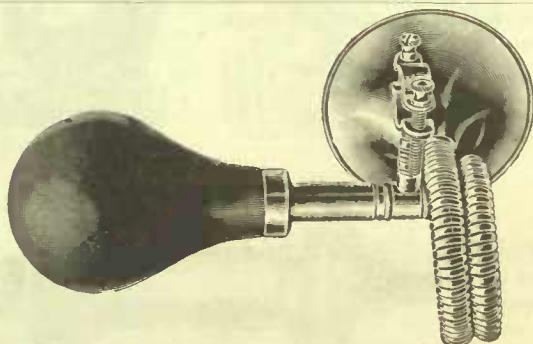
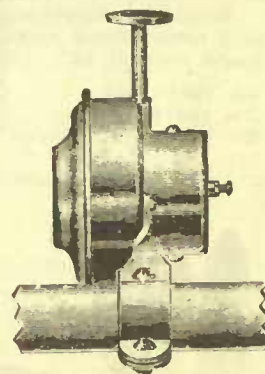
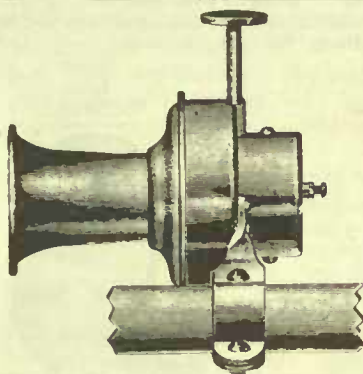
(We can supply parts for Horns listed.)

### Bevins Long Distance

Hand operated Horn, substantially made, loud, penetrating tone. Black enameled, with nickel-plated bracket.

No. 1048—Without Projector, all Black. . . . . Each

No. 1049—With Projector, all Black. Each



No. 1009—**Warnola**—Diameter of bell 3 3/4", length over all, 10". Bends made of stiff tubing, not flexible as illustrated. Fine deep tone. Nickel-plated. No. 5 Bulb used . . . . . Each  
No. 1009R—Reeds for above . . . . . Each  
No. 1009B—Bulbs for above . . . . . Each

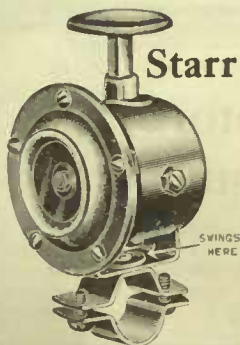


No. 999.

No. 999—(26) Bicycle Horn, diameter of bell 2 3/4", length over all 8 3/4", fixed clip, highly nickel-plated . . . . . Each

No. 1015—Reeds for above . . . . . Each

No. 1016—Bulbs for above . . . . . Each



No. 1052.

Medium priced effective Warning Signal, black enamel finish, complete with attaching bracket.

No. 1052—(One in a carton). Each



No. 1003—"Screech Owl." A very superior "Siren," nickel-plated. Fitted with ball bearings. (2 in box) . . . . . Each

"Screech Owl"

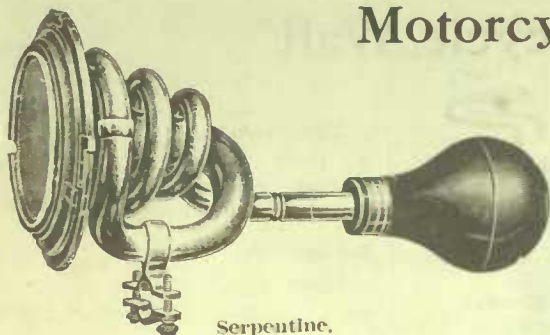


Whangdoodle

No. 998—**Whangdoodle** Bicycle Vibrator Horn.

Black enamel, with nickel-plated chain. (One in box). Price, each . . . . .

## Motorcycle Horns



Serpentine.

Specially recommended for motorcycle use. Very deep note. Finest nickel finish. Diameter of bell, 3 7/8", length over all, 12". (One in carton.)

- No. 1007 (92) ..... Each  
 No. 1007R—Reeds ..... Each  
 No. 1007B (6)—Bulbs ..... Each



Warnola.

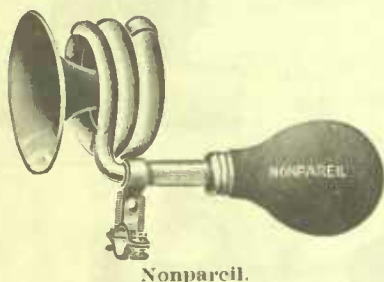
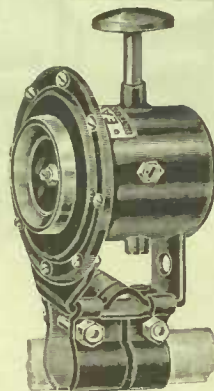
Diameter of bell, 3 7/8". Length over all, 10". Fine, deep tone. Bends made of stiff tubing, not flexible as illustrated. Nickel-plated. No. 5 bulb used.

- No. 1009—(18B) ..... Each  
 No. 1009R—Reeds ..... Each  
 No. 1009B (5)—Bulbs ..... Each

## E. A.

Size 4 x 5 1/2"; weight two pounds. Supplied with two brackets for attaching to handlebar or top bar of frame of Motorcycle. To meet the demand for a horn for Motorcycles finished in service green or khaki, this model can now be supplied in Khaki as well as Black and Nickel.

- No. 1022—Black and nickel ..... Each  
 No. 1023—Khaki Each



Nonpareil.

Fine nickel finish. Diameter of bell 4 1/4". Length over all, 10". (3 in box.)

- No. 1020 (102)— ..... Each  
 No. 1007R— ..... Each  
 Reeds ..... Each  
 No. 1007B (6)— ..... Each  
 Bulbs ..... Each

## Comfort Hubs

(Made in Our Own Factory)



Comfort—Front.

These are high grade Hubs, turned from best bar steel stock. Bearings are accurately ground after being hardened. Fitted with ball retainers and dust washers. Absolutely dust proof. Workmanship and finish are of highest quality. Fitted with sprockets. 36 spoke hole front hubs will be supplied unless otherwise ordered.

These hubs are fitted with spring ball type oiler.

- No. 1036—(Comfort) Front, 36 hole ..... Each  
 No. 1032—(Comfort) Front, 32 hole ..... Each  
 No. 1030—Rear ..... Each

(Made in Our Own Factory)



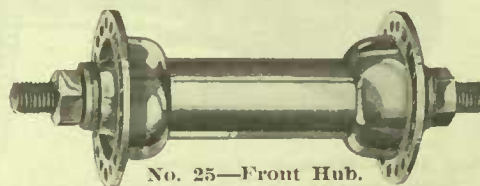
Comfort—Rear.

## Hubs

No. 25 Front Hubs—High grade pressed Hub. Barrel made of tubing, with ends pressed on. Nicely plated. 32 and 36 hole.

- No. 1047—Drilled 36. Each

(Made in Our Own Factory)



No. 25—Front Hub.

## Sulky Hubs

(Made in Canada)

The Knockout Axle Hub is so much more satisfactory that we have discontinued the plain axle hub.

No. 1040—A superior hub with special features and finish. Has knockout axle, which makes it easy to keep clean. Drilled for 36 spokes.

- No. 1040 ..... Each  
 No. 1041—Axle ..... Each  
 No. 1042—Cone ..... Each  
 No. 1043—Cup ..... Each  
 No. 1044—Axle Sleeves ..... Each

## Motorcycle Front Hubs

- No. 1015—Drilled 36 .. Each  
 No. 1046—Drilled 40 .. Each

## Hub Parts

See page 13.



## L a m p s

### It Pays to Push Lamps

A GOOD LAMP for the Bicycle is a **necessity** rather than a **luxury**. Many Towns are passing By-laws compelling Bicycles as well as other vehicles to carry a light. Even where there is no legal compulsion, public opinion is strongly in favor of the use of lamps as a "Safety First" measure.

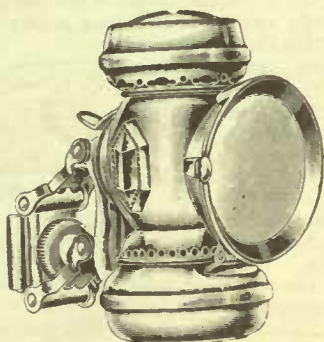
This means that it will pay the Bicycle dealer well to push strongly for lamp business.

In the "Old Sol" line we offer Dealers a wide range of well made, attractive lamps for both Bicycles and Motorcycles. In spite of the extremely high cost of both labor and materials **the prices have been considerably reduced** and "Old Sol" lamps are without doubt the best value to be had at the present time.

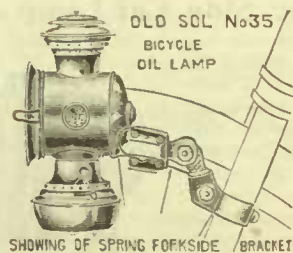
### Bicycle Oil Lamps

**Kingfisher** — A well-made, reliable English lamp of good size and appearance. Brass nickel-plated; fitted with a wind-proof head and convex lens; complete with bracket and red side jewels. Side jewel hinged. Burns C.C.M. Burning Oil not kerosene.

No. 1122 (25) —  
(One in box)  
..... Each



Kingfisher.



SHOWING OF SPRING FORKSIDE / BRACKET

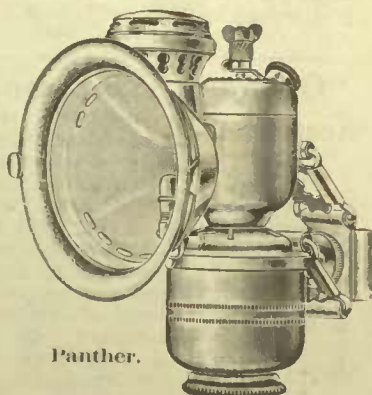
Equipped with Spring Shock Absorbing Bracket. Made from brass, nickel finish. Burns about 14 hours on one filling. Red and green side jewels. Polished reflector. Height 6 1/4", diameter of door 3 3/8", weight 1 lb. 2 oz. Complete with bracket. Burns kerosene (coal oil).

No. 1119 (35) — (One in box) .... Each

### Bicycle Carbide Lamp

**Panther** — A good English lamp at a low price. Made of all brass, nickel-plated and highly polished. Burns with a steady light. Complete with bracket. (One in box.)

No. 1125 (20) — (No. 1153 Burner used)  
..... Each

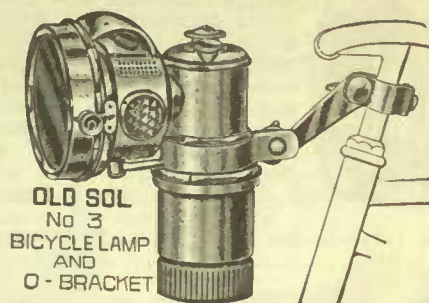


Panther.

Notice—Owing to existing war conditions, it is difficult to secure Panther Lamps, and we cannot guarantee delivery.

### "Old Sol"

### Bicycle Carbide Lamps



OLD SOL  
No 3  
BICYCLE LAMP  
AND  
O - BRACKET

Large, handsome Bicycle Lamp of motorcycle type. Cannot blow out.

Height 7". Carbide capacity 6 oz. Diameter of door 4". Burns 8 hours on one filling. Heavy brass, nickel-plated, with black enamelled Bracket. Red and green side jewels. Polished reflector.

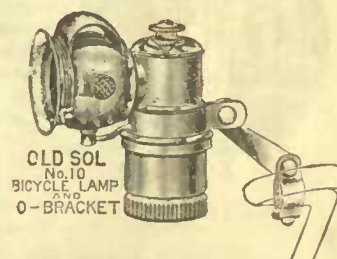
No. 1141 (3) — Price with Bracket (one in box)  
..... Each

### No. 1140 (10)

Safe, attractive gas lamp, which requires very little care. The improved process generates gas at regular intervals. Will not leak or corrode.

Height 6 1/4". Carbide capacity 5 oz. Diameter of door 3 1/4". Burns 6 to 7 hours on one filling. Heavy brass, nickel-plated, with black enamelled bracket. Red and green side jewels. Polished reflector.

No. 1140 (10) — Price with bracket (one in box) .... Each



OLD SOL  
No 10  
BICYCLE LAMP  
AND  
O - BRACKET

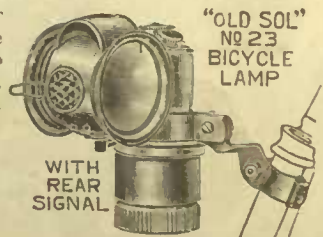
Showing Red Rear Signal.

### No. 1142 (23)

A powerful front white light and a red rear signal, which is a protection to rider from vehicles approaching from rear. For use on carriages and other vehicles.

Height 6 1/2". Diameter of door 3 3/8". Carbide capacity 5 oz. Burns 6 to 7 hours. Heavy brass, nickel-plated, with black enamelled Bracket. Red side jewel. Polished reflector.

No. 1142 (23) — with Bracket (one in box) .... Each



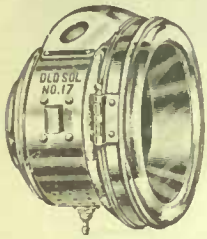
WITH  
REAR  
SIGNAL

No. 1142 (23).

"The Dealers' Interests Are Our Interests."

## Lamps (Continued)

### "Old Sol" Gas Lamps, Motorcycle



Bodies made from one-piece heavy gauge brass, nickel-plated. Door fitted with ball pin hinges. Front diameter  $7\frac{1}{2}$ ", height  $7\frac{3}{4}$ ", width  $8\frac{1}{4}$ ", depth  $5\frac{1}{2}$ ". Genuine 5" Mangin mirror lens. Distance between props  $6\frac{1}{2}$ ". Fits all Old Sol Standard Brackets. Regular  $\frac{1}{2}$  ft. burner used. Without bezel shown in illustration.

No. 1164 (17)—Black and Nickel, with A. or C. Brackets. (1 in box). Price, each

No. 1165 (17)—Nickel, with A. or C. Brackets. (1 in box) ..... Price, each

Identical in size with No. 1164 (17). Fitted with rear socket for spade bracket. Red and green side jewels. Regular  $\frac{1}{2}$  ft. burner used. Without bezel shown in illustration. Takes 5" lens.

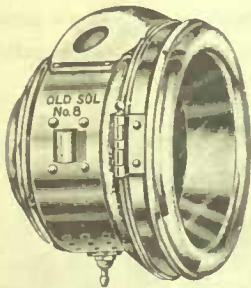
No. 1161 (16)—Black and nickel (less bracket) (one in box) .... Each

No. 1162 (16) — Nickel (less bracket) (one in box) ..... Each



No. 1161 (16).

### "Old Sol" Gas Lamps, Motorcycle



No. 1166 (8).

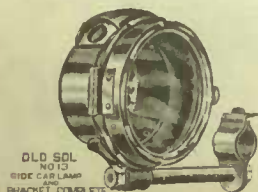
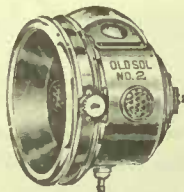
The leader of the "Old Sol" line. Front diameter  $8\frac{1}{2}$ ", height 9", width  $9\frac{1}{4}$ ", depth  $6\frac{1}{2}$ ". Fitted with genuine 6" Mangin mirror lens. Distance between props  $7\frac{1}{2}$ ". Fits all "Old Sol" standard brackets. Regular  $\frac{1}{2}$  ft. burner used. Without bezel shown in illustration.

No. 1166 (8)—Black and nickel, with A. or C. bracket (one in box) .... Each

No. 1167 (8)—Nickel, with A. or C. bracket (one in box) .. Each

Popular for all classes of motorcycles. Front diameter  $6\frac{1}{2}$ ". Genuine  $4\frac{1}{2}$ " Mangin mirror lens. Height and width  $7\frac{1}{2}$ ". Depth  $5\frac{1}{4}$ ". Equipped with rear socket for spade bracket. Without bezel, as shown.  $\frac{3}{8}$  ft. burner used.

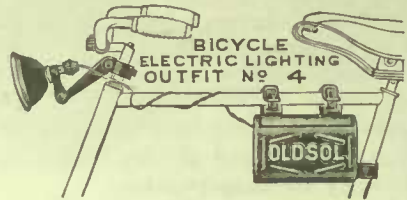
No. 1163 (2)—Nickel only (less bracket) (one in box) .... Price, each



A splendid side-car lamp, having red rear signal and red and green side jewels. Door 4". Polished reflector,  $1\frac{1}{6}$  ft. burner used. No bezel.

No. 1168 (13)—Nickel, complete with Bracket. (One in box) ... Price, each

### "Old Sol" Electric Lamps, Bicycle



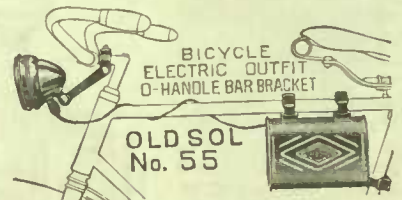
Will appeal to many boys who have been looking for a real electric lamp at a reasonable price. Has large attractive headlight with bracket for handlebar.

Lamp all black enamelled. Uses two regular No. 6 batteries. Supplied with bulb 2.8 volts. 2 C.P. double contact, Ediswan base. Face of lamp 5" diameter. Lamp, Wiring and Bracket packed in one box. Dry Cell Container in another box.

No. 1144 (4)—(Less Battery) ..... Price, each

High grade dependable electric lamp, which will satisfy any rider wishing a Dry Cell outfit.

This lamp has black enamelled body, with nickel-plated door. Uses two regular No. 6 batteries. Supplied with bulb 2.8 volt. 2 candle-power, single contact, Ediswan base.



Diameter of door  $4\frac{1}{2}$ ". Highly polished silver reflector.

Lamp, Wiring and Bracket packed in one box. Dry Cell Container in another box.

No. 1145 (55)—(Less Battery) ..... Price, each

### "Old Sol" Electric Side Car Lamp

Without a headlight on the side car you are in danger of being struck by an automobile or vehicle, as it is difficult for the driver to judge the space you require. With a lamp on the side car and one on the motorcycle you will secure as much room as an automobile.

Very neat bullet shaped lamp, 4" in diameter.

No. 1173 (40)—Black and nickel, 6 V., 2 C.P., double contact, Ediswan bulb used. .... Price, each



### "Old Sol" Tail Lamp, Motorcycle

#### Acetylene Gas



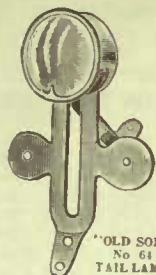
Substantial Gas Tail Lamp and License Holder, for rear guard of motorcycle. Red glass  $2\frac{5}{8}$ " diameter;  $\frac{1}{8}$  foot burner used. Wire screen in base of lamp for illuminating License Bracket and for ventilation.

Off and on valve in gas tube for regulation of gas. Bracket with side arms for License Bracket, and holes with bolts and nuts for attaching to mudguard. Red or grey finish.

No. 1169 (15)—Service Green, for Harley-Davidson and Excelsior Motorcycle (one in box) ..... Price

No. 1170 (15)—Red (one in box) ..... Price

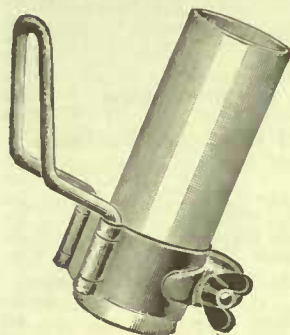




## "Old Sol" Electric Tail Lamp

Has 3" rear red signal and license plate bracket, with bolts and nuts. White celluloid in base of lamp to illuminate license plate. 6 V., 2 C.P., single contact, Ediswan base bulb used. Black finish.

No. 1171 (64)—(One in box) .....Price, each



No. 1150.

## Lamp Brackets

Made of heavy sheet metal and spring steel wire, heavily nicked and polished, light and strong, adjustable, felt lined.

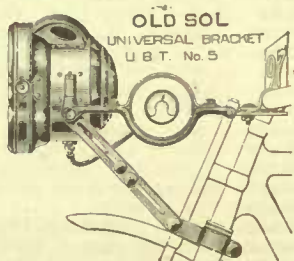
No. 1150 — (12 in box) ..Per dozen

## "Old Sol" Motorcycle Lamp Brackets

### U. B. T. No. 5 Fork Side Clamps

Carries Prest - O - Lite Tank and Lamp. Adapted for Harley-Davidson, Henderson, Reading-Standard, Sears, Excelsior, Iver Johnson, Thor, Flanders, Pope, Yale, Pierce, Harley-Davidson, etc.

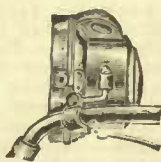
No. 1197 (5)—(One pair in box).Price



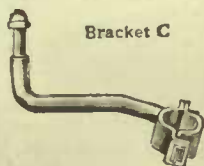
## Bracket "A"

Can be fitted in front of fork head or behind it, as shown in illustration. Will fit practically all motorcycles, including Indian, Henderson, Reading-Standard, Sears, Excelsior, Iver Johnson, Thor, Flanders, Pope, Yale, Pierce, Harley-Davidson, etc.

No. 1194 (A)—Price ..Per pair



Bracket "A"  
Behind Head

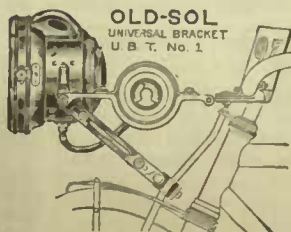


Bracket C

## Bracket "C"

Will fit Harley-Davidson, Pope, Yale, Emblem, Merkel, Excelsior, etc.

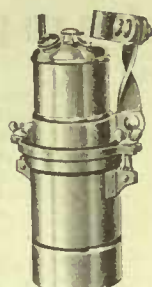
No. 1195 (C)—Price, per pair



### U. B. T. No. 1 Truss Clamps

Carries Prest - O - Lite Tank and Lamp. Adapted for Indian, Excelsior, Pope, Thor, Merkel, Dayton. Enamel finish.

No. 1196 (1)—Price



OLD SOL No. 5 GENERATOR  
WITH E BRACKET

## Carbide Generator

Capacity 12 oz. carbide, one pint of water, will burn "Old Sol" No. 8 for about 6 hours. Height 9", diameter 4 7/8". All nickel finish. Carbide chamber 4" high, 3" diameter.

No. 1186 (5)—With E. or H. Bracket .....Price, each

No. 1198—E Bracket for Frame .....Price, each

No. 1199—H. Bracket for Front Fork .....Price, each

## Lamp Brackets, Carriage



No. 1151.

(Made in Our Own Factory)

Made from heavy sheet steel, japanned. This bracket is fitted with an adjustable clamp, easily attached to dash board.

No. 1151—Price .....Each

## Lamp Burners, Acetylene Gas

No. 1155—Solar Burners for Solar Gas Lamps .....Price

No. 1152—Lava Tips. 1/4 foot. Can be used for either Solar or 20th Century Gas Lamps. 1 gross in box .....Per dozen



No. 1152.



No. 1155

## "Old Sol" Burners

No. 1206 (0S106)—1/6 foot, for "Old Sol" Bicycle Carbide (Gas) Lamps ....Each

No. 1207 (0S200)—1/2 foot, for "Old Sol" Motorcycle Carbide (Gas) Lamps Nos. 1161 (16), 1164 (17), and 1166 (8).Each

No. 1208 (0S39)—3/4 foot, for "Old Sol" Motorcycle Carbide (Gas) Lamps Nos. 1163 (2) and 1168 (13) .....Each

## P. & H.

This burner gives a flat flame from a single gasway. It can be easily cleaned. It is used on all Powell and Hammer Bicycle gas lamps.

No. 1153—Price, doz. (1 gross in box)



No. 1153.

## Bray's Deto

No. 1154—Price, doz. (1 gross in box) ...



# Lamp Parts

## Searchlight Lamp Parts

No.	Description.	Price Each.
1—Top	.....	\$2.60
2—Top Cap	.....	.40
3—Reflector, complete	.....	.40
4—Screw and Washer for Reflector	.....	.14
5—Window and Wires	.....	.48
6—Lens	.....	.42
7—Lens Wire	.....	.14
8—Fount	.....	2.80
9—Filler Cap	.....	.30
10—Hanging Tube Cap	.....	.20
11A—Burner with Metal Collar and Lava Tip	.....	.32
12—Presser Spring	.....	.20
13—Carbide Cup	.....	1.00
14—Bracket	.....	1.00
15—Head Clamp	.....	.40
16—Bracket Clamp	.....	.40
17—Bracket Set Screw	.....	.14
18—Bracket Adjusting Screw	.....	.14
19—Head Clamp Screw and Wing Nut for Bracket	.....	.30
20—Rubber Gasket	.....	.20
22—Carbide Gas Strainers	.....	.08

NOTE.—Always specify for Searchlight Gas Lamp when ordering above parts.

## Powell & Hanmer Lamp Parts

Panther	No.	1125
Panther Self-Lighter. (Not Listed)	No.	1126
Panther Duplex. (Not Listed)	No.	1128
Revenge. (Not Listed)	No.	1129
P. & H. (Not Listed)	No.	1130
Demon	No.	1120
Referee. (Not Listed)	No.	1121
Kingfisher. (Not Listed)	No.	1122
P. 1—Glasses for Nos. 1125, 1126, 1128	Each	\$0.24
P. 1A—Glasses for No. 1129	Each	.24
P. 2—Glasses for No. 1130	Each	.54
P. 3—Glasses for No. 1120 (with rims)	Each	.36
P. 4—Glasses for No. 1121 (with rims)	Each	.48
P. 5—Glasses for No. 1122	Each	.48
P. 6—Burner No. 1153. (Screw-in)	Doz.	1.60
P. 7—Water Caps	Each	.20
P. 8—Valves	Each	.36
P. 9—Valve Screws	Each	.24
P. 10—Zinc Tubes	Each	.24
P. 11—Filter Pads	Each	.24
P. 12—Large Rubber Washers	Each	.24
P. 13—Small Rubber Washers	Each	.10
P. 14—Adjustment Screws	Each	.24
P. 15—Springs and Plates	Each	.24
P. 16—Pad Plates and Nuts	Each	.40
P. 17—Back Springs	Each	.10
P. 18—Bottom Screws	Each	.40
P. 19—Carbide Chambers for No. 1125	Each	.40
P. 20—Carbide Chambers for No. 1130	Each	.52
P. 20A—Carbide Chambers for No. 1129	Each	.52
P. 21—Cross Gate	Each	.24
P. 22—Smoke Cap	Each	.24
P. 23—Cones for No. 1125	Each	1.40
P. 24—Cones for No. 1129	Each	2.10
P. 25—Cones for No. 1130	Each	2.80
P. 26—Pad Plates	Each	.24
P. 27—Backs	Each	.40
P. 28—Windups for Nos. 1120, 1121, 1122	Each	.24
P. 29—Founts comp. for Nos. 1120, 1121, 1122	Each	.40
P. 30—Blue Springs for No. 1120	Each	.10
P. 31—Wire for Glasses	Each	.10

NOTE.—When ordering any of above Lamp Parts, always give the number of lamp for which part is required.

## "Old Sol" Lamp Parts

Below we list the most important replacement parts for "Old Sol" Bicycle and Motorcycle Lamps. Should you require other parts for these Lamps which are not listed, kindly send for special parts list and quotation on desired parts.

Always give number of Lamp when ordering parts.

### Parts for No. 1119 (35) "Old Sol" Bicycle Oil Lamp.

OS463—Front Door Glass	\$0.20
OS1216—Reflector with hole in centre	.50
OS1224—Burner, less wick	.20
OS1226—Wick only	.20
OS1531—Retaining Band for Door Glass	.20

## "Old Sol" Lamp Parts—(Continued)

### Parts for "Old Sol" 1164 (17) and 1161 (16) Motorcycle Gas Lamp.

No.	Description.	Price Each.
OS200—Burner ½ ft. Standard Pillar	.....	\$0.60
OS432—Door Glass	.....	.30
OS433—Glass Retaining Ring	.....	.30
OS436—Retaining Ring for Mirror Lens	.....	.30
OS430—Burner Holder	.....	.30
OS525—Mangin Mirror Lens, 5"	.....	3.00
OS798—Bezel or Door Reflector	.....	1.50

### Parts for "Old Sol" 1166 (8) Motorcycle Gas Lamp.

OS30—Burner Holder	.....	\$0.30
OS193—Door Glass, 8"	.....	.40
OS200—Burner ½ ft. Standard Pillar	.....	.60
OS201—Mangin Mirror Lens, 6"	.....	3.50
OS206—Retaining Wire for Door Glass	.....	.30
OS641—Wire Retaining Ring for Mirror Lens	.....	.30
OS799—Bezel or Door Reflector	.....	2.00

### Parts for "Old Sol" 1163 (2) Motorcycle Gas Lamp.

OS7—Retaining Ring for Door Glass	.....	\$0.30
OS9—Door Glass	.....	.30
OS23—Burner Holder for Pillar	.....	.30
OS39—Burner ¾ ft. Standard Pillar	.....	.60
OS41—Reflector 4½". Includes frame	.....	3.00
OS797—Bezel or Door Reflector	.....	1.50

### Parts for "Old Sol" 1168 (13) Motorcycle Gas Lamp.

OS103—Door Glass	.....	\$0.30
OS106—Burner 1/6 ft. Standard Pillar	.....	.40
OS530—Reflector with Hole	.....	.50
OS1399—Retainer for Door Glass	.....	.30

### Parts for 1141 (3) "Old Sol" Bicycle Gas Lamp.

OS73—Reflector, New Style	.....	\$0.40
OS74—Carbide Retaining Disc only	.....	.20
OS76—Carbide Chamber only	.....	2.00
OS84—Water Filler Cap, with Leather Washer	.....	.20
OS107—Carbide Basket	.....	.60
OS90—Valve Rod, complete	.....	.80
OS94—Spring for Carbide Plate	.....	.10
OS98—Rubber Gasket	.....	.20
OS100—Binding Screw for Head and Generator	.....	.20
OS103—Door Glass	.....	.30
OS106—Burner 1/6 ft. Standard Pillar	.....	.40
OS398—Valve Seat, Knurled	.....	.20
OS487—Spring Retainer for Filter Plate	.....	.10
OS489—Felt Filter	.....	.10
OS502—Filter Retaining Plate	.....	.20
OS628—Left Extension, Male	.....	.40
OS629—Right Extension, Female	.....	.40
OS638—Bracket for New Style Bolt	.....	.80
OS1561—Valve Seat Cap, including Screen	.....	.40

### Parts for 1140 (10) "Old Sol" Bicycle Gas Lamp.

OS74—Carbide Retaining Disc only	.....	\$0.20
OS84—Water Filler Cap, with Leather Washer	.....	.20
OS98—Rubber Gasket	.....	.20
OS100—Binding Screw for Head and Generator	.....	.20
OS106—Burner 1/6 ft. Standard Pillar	.....	.40
OS107—Carbide Basket	.....	.60
OS398—Valve Seat, Knurled	.....	.20
OS453—Retainer Ring for Door Glass	.....	.10
OS467—Valve Rod, complete with Thumb and Spring	.....	.80
OS469—Carbide Chamber only	.....	2.00
OS475—New Style Reflector	.....	.40
OS487—Spring Retainer for Filter Plate	.....	.10
OS489—Felt Filter	.....	.10
OS502—Filter Retaining Plate	.....	.20
OS628—Left Extension, Male	.....	.40
OS629—Right Extension, Female	.....	.40
OS638—Bracket for New Style Bolt	.....	.80
OS1561—Valve Seat Cap, including Screen	.....	.40

### Parts for No. 1142 (23) "Old Sol" Bicycle Gas Lamp.

OS74—Carbide Retaining Disc only	.....	\$0.20
OS84—Water Filler Cap, with Leather Washer	.....	.20
OS94—Spring for Carbide Plate	.....	.10
OS98—Rubber Gasket	.....	.20
OS100—Binding Screw for Head and Generator	.....	.20
OS107—Carbide Basket	.....	.60
OS398—Valve Seat, Knurled	.....	.20
OS453—Retaining Ring for Door Glass	.....	.10
OS454—Red Glass	.....	.20
OS463—Front Door, Glass White	.....	.20
OS467—Valve Rod, complete with Thumb and Spring	.....	.80
OS469—Carbide Chamber only	.....	2.00
OS487—Spring Retainer for Filter Plate	.....	.10
OS489—Felt Filter	.....	.10
OS502—Filter Retaining Plate	.....	.20
OS1561—Valve Seat Cap, Includes Screen	.....	.40



**"Old Sol" Lamp Parts—(Continued)****Parts for 1145 (55) "Old Sol" Bicycle Electric Lamp.**

No.	Description.	Price Each.
OS103—Door Glass		\$0.30
OS170—G. 8—2.8 Volt, 2 C.P. Single Contact Ediswan Base		.44
OS628—Left Extension, Male		.40
OS629—Right Extension, Female		.40
OS1399—Retainer for Door Glass		.30
OS1449—Wiring for Electric Outfit. Includes 1582		1.40
OS1511—Reflector only		1.20
OS1538—Front Fibre Insulator		.10
OS1749—Inside Battery—Connector		.20
OS1574—Battery Case, New Style for Screw		2.50
OS1575—Battery Case Cover, New Style for Screw		1.00
OS1582—Switch Plug		.60
OS1745—Paper Insulator		.10
OS1750—Paper Insulator		.20

**Parts for No. 1144 (4) "Old Sol" Bicycle Electric Lamp.**

OS628—Left Extension, Male	\$0.40
OS629—Right Extension, Female	.40
OS1449—Wiring for Electric Bicycle Outfit. Includes 1582	1.40
OS1469—2.8 Volt, 2 C.P. Double Contact Ediswan Base Bulb	.44
OS1538—Front Fibre Insulator	.10
OS1574—Battery Case, New Style for Screw	2.40
OS1580—Door Glass	.20
OS1582—Switch Plug	.60
OS1584—Retaining Ring	.40
OS1745—Paper Insulator	.10

**Parts for No. 1173 (40) "Old Sol" Electric Side Car Lamp.**

OS103—Door Glass	\$0.30
OS1119—Searchlight Socket, Double Wire, Permanent Plug	.70
OS1168—6 Volt, 2 C.P. Double Contact Ediswan Base	.44
OS1247—Reflector	1.20
OS1399—Retainer for Door Glass	.10

**Parts for No. 1186 (5) Generator.**

OS4—Valve Rod	\$0.80
OS84—Water Filler Cap, with Leather Washer	.30
OS94—Spring for Carbide Plate	.10
OS96—Carbide Chamber, Includes Screws only	3.00
OS101—Water Chamber, complete	4.00
OS112—Carbide Basket, with Perforated Tube	.80
OS113—Disc Plate	.50
OS115—Rubber Gasket	.20
OS398—Valve Seat, Knurled	.30
OS487—Spring Retainer for Filter Plate	.10
OS488—Felt Filtering Pad	.10
OS501—Filter Plate	.30
OS1561—Valve Seat Cap, Includes Screen	.40

**Parts for 1169 (15) "Old Sol" Motorcycle Tall Gas Lamp**

OS453—Retaining Ring for Door Glass	\$0.30
OS454—Red Glass	.30
OS1155—Burner	.50

**Parts for 1171 (64) "Old Sol" Electric Motorcycle Tall Lamp.**

OS1154—Retaining Ring for Door Glass	\$0.20
OS1153—Red Glass in Frame	.30
OS1056—6 Volt, 2 C.P., Ediswan Base Single Contact Bulb	.44
OS1759—Plug and Bulb Socket	.40
OS1767—Cap for Switch Plug	.20

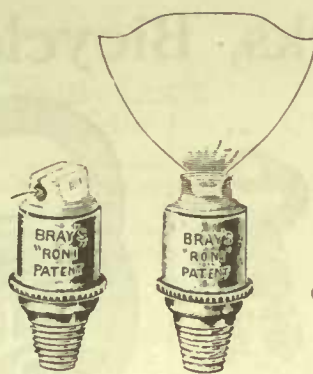
**Lamp Tubing**

Rubber Lamp Tubing, for connecting up motorcycle and bicycle lamps with generators.

No. 19251— $\frac{3}{16}$ " x  $\frac{1}{8}$ " wall ..Per 100 ft.

**"Old Sol" Burners**

- No. 1206 (OS106)—1/6 foot, for "Old Sol" Bicycle Carbide (Gas) Lamps ..... Each
- No. 1207 (OS200)—1/2 foot, for "Old Sol" Motorcycle Carbide (Gas) Lamps, Nos. 1161 (16), 1164 (17), and 1166 (8) .. Each
- No. 1208 (OS39)—3/4 foot, for "Old Sol" Motorcycle Carbide (Gas) Lamps, Nos. 1163 (2) and 1168 (13) ..... Each

**Bray's "Roni" Burner**

THE CHECK.

Used on P. & H. Motorcycle Lamps. This atmospheric burner gives a flat flame from a single gas-way. Has no projecting arms to fracture, or jets of flame to get out of alignment; so there is no risk of broken lens or mirrors.

Fitted with check, as illustrated, which prevents flaring when subjected to an excess of pressure.

No. 1204—125 or 127 P. & H. Lamp,  $\frac{3}{8}$  ft., 10 litres (one dozen in small carton) ... Per dozen

No. 1205—For 120 P. & H. Lamp (not listed),  $\frac{1}{2}$  ft., 14 litres (one dozen in carton) .Per dozen



No. 1200-1.

**Motorcycle Lamp Burners****"Alco Hexo" Burner.**

Fits them all, and with hexagon base is easiest to instal. Made in  $\frac{3}{8}$  and  $\frac{1}{2}$  ft. gas consumptions.

No. 1200— $\frac{3}{8}$  ft. (one dozen in box) .....

..... Per dozen

No. 1201— $\frac{1}{2}$  ft. (one dozen in box) .....

..... Per dozen

**"Alco Cyco" Burner.**

A cheaper and very popular style for Motorcycle Lamps.  $\frac{3}{8}$  and  $\frac{1}{2}$  ft. gas consumption. Round knurled base.

No. 1202— $\frac{3}{8}$  ft. (one dozen in box) .....

..... Per dozen

No. 1203— $\frac{1}{2}$  ft. (one dozen in box) .....

..... Per dozen



No. 1202-3.

**Leggings, Motorcycle**

**Knee Length.**—Well made, from good quality of waterproof canvas. Beaded edge. Fitted with fork fastener. Sizes 15 and 16.

No. 1210 — (Size 15.) Per pair.

No. 1211 — (Size 16.) Per pair.

**Three-quarter length.**

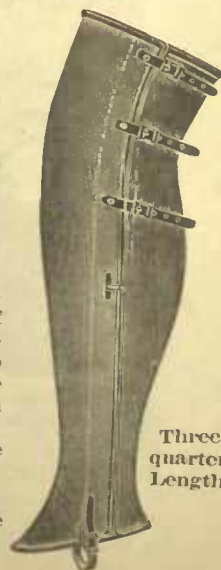
Strongly constructed of durable waterproof canvas with beaded edges. Clasp fasteners in place of strap shown in illustration.

No. 1227 — (Size 15.) Per pair.

No. 1228 — (Size 16.) Per pair.



Knee Length.



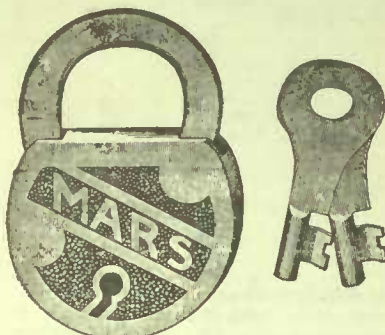
Three-quarter Length

# Locks, Bicycle and Motorcycle



**Hex Padlock.**—A very popular, fast selling lock, nickel plated, supplied with two keys. Shipping weight 2 lbs. per dozen, packed one dozen locks in box.

No. 1230—(103) ..Per dozen



**Mars Padlock.**—Another fast selling small, safe lock. Spring opening and self-locking, with two keys. Nickel plated. Shipping weight 2 lbs. per dozen, packed one dozen locks in box.

No. 1230—(100) ....Per dozen



**Star Padlock.**—A neat, well made, spring opening, self-locking padlock with two steel keys for each lock. Size 2 x 2 1/2", nickel plated. Weight 3 lbs. 13 ozs. per dozen. Packed one dozen in box.

No. 1232—(140) ..Per dozen



Assortment (B1).

This assortment consists of one dozen assorted Bicycle Locks and Chains, 4 brass finished and 8 japanned. On handsome lithographed display card. Two keys to each lock.

No. 1218 (B1)—Price per card (one dozen locks and chains) .....

No. 1221—Chain only, 9 1/2" long. White metal, double ring (2 dozen in box) .....Per dozen :



Black japanned with double ring white metal chain, two keys.

No. 1216 (4026)—(One doz. in carton) .....Per dozen



**Bicycle and Motorcycle Padlock Assortment** displays one dozen locks in assorted finishes. Two each in brass plated, antique coppered, black, blue, green and red enamel finishes.

Locks are 1 5/8" across case, and shackle opening is 4 1/4" x 1 3/8" inside measurement.

Display card is 16 1/2" x 12 3/4", made of extra heavy binder board, with wire easel back and holes for hanging.

Two keys with each lock, keys being on back of card.

No. 1224 (78A) .....Per dozen

## No. 1215 Bicycle Lock,

Brass Lock, hinged type shackle.

Size 3" over all, Shackle opening 7/8" wide, 2 3/16" deep. Self locking, two keys.

No. 1215 (778)—(One dozen in box)...Per doz.

.....



## No. 1222, Bicycle Lock

Shell—Polished Brass.

Shackle—Steel Rod, Nickelled.

Interior—Spring Levers.

Key Cylinder—Brass slotted.

Keys—Corrugated and nickelled. 2 to each lock.

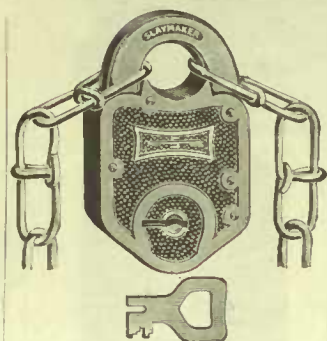
No. 1222 (2092)—(6 in box).. ....Each



**M**ANY a dealer has doubled his Lock sales by merely reminding customers that a bicycle is too valuable and too easily stolen to be left standing without a lock.



## Locks (Continued)



**No. 1223—Bicycle and Motorcycle Lock.**

Shackle—Hardened steel rod, nickelled, which springs to quarter turn when unlocked. 5" long.

Keys—Two nickelled corrugated steel keys with each lock.

Packed, six locks in carton.

**No. 1223 (5-089) . . . . Each**

Our line of locks will stand any weather and climate, and will not rust or tarnish. Every lock is furnished with two keys.

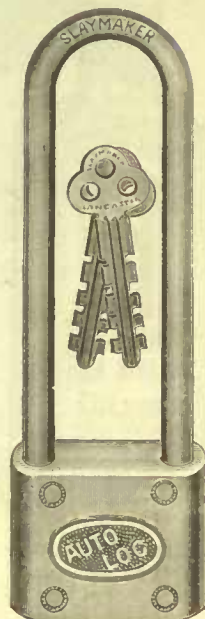
### Chain Lock

**No. 1219.**

Bronze metal case, polished; heavy malleable iron shackle, sherdized (rust-proof), secure brass tumblers, dog and dog detainer. Two heavy flat steel keys each.

Each lock with 18" strong steel wire chain, galvanized.

**No. 1219—Price, per dozen.**



**No. 1220—Motorcycle Lock—**Shackle is reversible, adjustable and easily removable from the case. The size of shackle (6 3/4" long x 1 1/8" wide inside measurement) allows the use of this lock on all makes of machines. It is ratcheted to permit adjustment to length of 5 5/8".

Brass case 2" across.

Each in a carton with two corrugated steel keys.

(Six cartons packed in a box.)

**No. 1220 (1094)—Price, each**

## Lubricant Chain



**No. 1225.**

It is made of the very best material, and is supplied in 5/8" x 2 3/4" sticks, and 1" x 4" tin box with push bottom.

**No. 1225—5/8" x 2 3/4" Stick**  
(12 in box) . . . Per doz.

**No. 1225—5/8" x 2 3/4" Stick**  
(12 in box) . . Per gross

**N. 1226—1" x 4" Tin Box**  
(12 in box) . . . Per doz.



**No. 1226.**

## Lubricant, Chainolene

The correct lubricant for Roller Type Chains, its distinctive adhesive qualities keeping the rolls revolving continually in a film of oil, thus minimizing the friction. Not graphite.



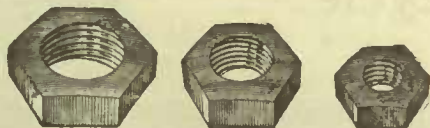
**Chainolene.**

Ribbon shape opening in tube makes it easy to apply to chain. Economical, because it will not drip or "throw."

**No. 568—Collapsible tubes, small size** (1 dozen in display box) . . . . . Per dozen

**No. 569—Collapsible tubes, large size** (1 dozen in display box) . . . . . Per dozen

## Nuts



**(Hexagon Forged) Nickelled.**

Carefully cut and threaded. Hardened to the proper temperature. Well nickelled over copper.

Size.

Thread.

1/4—20, 22, 24, 26, 28, 30, 32 or blank..Per dozen

3/8—22, 24, 26, 28, 30, 32 or blank.....Per dozen

1/2—20, 22, 24, 26, 28, 30, 32 or blank..Per dozen

3/4—20, 22, 24, 26, 28, 30, 32 or blank..Per dozen

## Nuts, Wing

**No. 1300—5/16 Blank, nickelled**  
..... Per 100

**No. 1301—1/4 Blank, nickelled**  
..... Per 100

**No. 1302—For Telescope Pumps.**  
..... Per 100



"The Dealers' Interests Are Our Interests."

## Oils, Lubricating



"3 in 1" bottle.

### Original 3-in-1

Lubricates chain bearings and all points of friction. Never gums. Cleans all parts quickly and thoroughly. This oil is very popular, and, as its name denotes, it is "three in one," being in general use for lubricating, cleansing and polishing.

No. 1353—1 oz. bottles (24 in box) ..... Per doz.

No. 1354—3 oz. bottles (12 in box) ..... Per doz.

No. 1355—8 oz. bottles (Factory size) (12 in box) .... Per doz.



"Whiz."

No. 18217—(36 in wood box) In 8 oz. Spout Can. .... Per doz



(Made in Canada)  
C.C.M. Lubricating Oil.

In 2 oz. Bottles.  
No. 1358—(12 in carton).. Per doz

## Oil

### C.C.M. Brake

A specially prepared heavy body oil, for use in the Hercules brake. Use of this oil will give you much better service from your brake.

No. 1383—2 oz. bottles.. Per doz.



Hercules Brake Oil.



C.C.M. Burning Oil.

(Made in Canada)

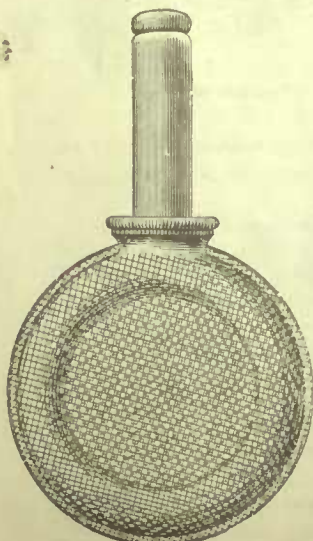
## Oil

### C.C.M. Burning

A highly refined smokeless oil, for burning in bicycle lamps, motor lamps, carriage lamps, lanterns, etc. Supplied in 8 oz. bottles.

We have a quantity of 8 oz. tins, which will be applied on all orders until stock is exhausted.

No. 1359—(12 in box).. Per dozen



No. 1375.

No. 1375—Popular Oiler, fitted with cap over stem to prevent leaking. Nickelled ( $\frac{1}{2}$  gross in box). Illustration is actual size.. Per doz.

## Oilers, Bicycle

No. 1376—All brass, heavily nickel-plated. Fitted with heavy cap over stem to prevent leaking. Illustration is actual size. This is the oiler supplied in tool bags of C.C.M. Bicycles.

No. 1376—( $\frac{1}{2}$  gross in box) ..... Per dozen





## Oiler Motorcycle

Motorcycle  
Oiler.  
No. 1381.



An all brass oiler, heavily nickel-plated. Size 2 3/4" diameter, length over all 6 3/8".  
No. 1381—(12 in box)...  
.....Per dozen

## Pedal, Rubber Bicycle



No. 1406—Rubber Bicycle Pedal,  
1/2 x 20 (one pair in box).  
.....Per pair  
No. 1408—Rubber Bicycle Pedal,  
3/8 x 20 (one pair in box).  
.....Per pair

## "Get Home" Motorcycle Pedal Axle



This Axle is threaded 1/2 x 20 Right hand thread on one end, and left on the other end. You can "Get Home" with it if you break your regular pedal axle. Slotted ends.

No. 1417 ..... Each

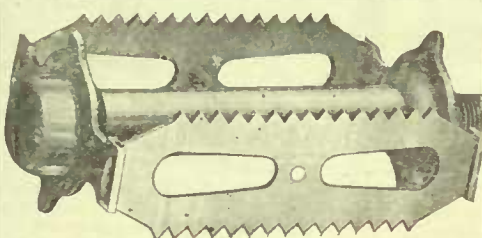


(Made in Our Own Factory)

## Hercules Pedal, Men's

High class rubber pedal, very handsome design. Well made, finely finished and easy running. Right and left pedals stamped "R" and "L" respectively.

No. 1401—1/2" x 20 thread, width 4" (one pair in box) ..... 4/3 5/8... Per pair



(Made in Our Own Factory)

## Rat Trap Pedal, No. 40

Comparatively new design which is giving splendid satisfaction and promises to be very popular. Accurately made and beautifully finished.

No. 1411—3/8" x 20 thread, width 4" (one pair in box) ... Per pair  
No. 1412—1/2" x 20 ..... Per pair

## Parts for Rubber Pedal

No. 1462 (10)—Rubbers...  
(Grey) ..... Per set (4)  
No. 1464 (1) —Axle, Right.  
..... Each  
No. 1465 (1) —Axle, Left.  
..... Each  
No. 1466 (14)—Dust Cap.  
..... Each  
No. 1467 (2) —Cone.... Each  
No. 1468 (4) —Axle Nut.  
..... Dozen  
No. 1469 (6) —Bolts for  
Rubber ..... Each  
No. 1470 (7) —Nuts for 1469.  
..... Dozen  
No. 1471 (5) —Axle Washers  
..... Dozen  
No. 1472 (3) —Outside Ball  
Races ..... Each  
No. 1473 (3A)—Inside Ball  
No. 1474 (12)—Plates. Doz.  
No. 1474 (12)—Plates. Doz.  
No. 1478 (8)—Rubber Wash-  
ers ..... Dozen

## Pedal "Knock Out" Motorcycle

Can be taken off without removing pedal axle from crank. Pedals marked Right and Left.

No. 1418—1/2" x 20  
thread (one pair in  
box) ..... Per pair



(Made in Our Own Factory)

## Hercules Pedal, Ladies

Well made, nicely finished rubber pedal, similar to the Men's Hercules, but with shorter and rounder frame. Right and left pedals stamped "R" and "L" respectively.

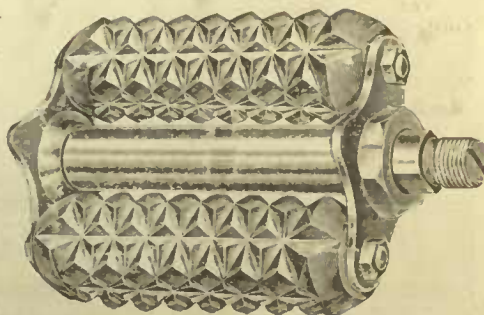
No. 1400—1/2" x 20 thread,  
width 3 1/2" (one pair in  
box) ..... Per pair

## Parts for Hercules Pedals

(Ladies' and Men's).  
No. 1423—Rubbers, Men's.  
..... Per Set of 4  
No. 1424—Plates, Men's.  
..... Dozen  
No. 1425—Rubbers, Ladies'  
..... Per set of 4  
No. 1426—Plates, Ladies'.  
..... Dozen  
No. 325—Bolts and Nuts.  
..... Dozen  
No. 1431—Axle, Right...  
..... Each  
No. 1432—Axle, Left....  
..... Each  
No. 1436—Dust Cap. Each  
No. 1433—Cone .... Each  
No. 1434—Locknut. Dozen  
No. 1435—Washer. Dozen

## Parts for C. C. M. Pedals

No. 1427—Rubbers .....  
No. 1428—Plates ..... Dozen  
..... Per set (4)  
No. 325—Bolts and Nuts.  
..... Dozen  
No. 1431—Axle, Right. Each  
No. 1432—Axle, Left. Each  
No. 1436—Dust Cap. Each  
No. 1433—Cone ..... Each  
No. 1434—Locknut ..... Dozen  
No. 1435—Washer ..... Dozen



"The Dealers' Interests Are Our Interests."

## Pedal Wrench, Shop



Specially adapted for attaching and detaching pedals. Opening  $\frac{5}{8}$ ", instead of  $\frac{3}{4}$ " illustrated. Semi-finished.

No. 2907 (540) ..... Dozen

### Pennants, Advertising

See page 12.

## Pliers

Combination, 6-inch



Manufactured from best tool steel, drop forged and tempered. Black finish, with polished jaws.

No. 15513 ..... Per pair

## Pliers

Cone, Offset



No. 1454.

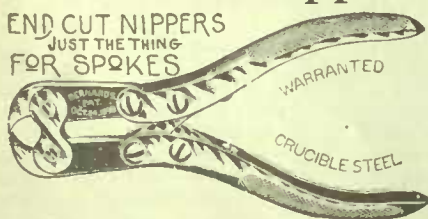
(Specially hardened in Our Own Factory.)

Drop forged, 8" over all. Has long thin jaws ( $\frac{5}{8}$ " thick), offset to grasp large or small lock nuts, cones, etc., where there is only a narrow space to get at them. Has wire cutting attachment and screw driver handle.

No. 1454 ..... Each

## End Cut Nippers

END CUT NIPPERS  
JUST THE THING  
FOR SPOKES



This "End Cutting" Nipper has narrow jaws especially adapted for cutting ends off spokes. In two sizes, 5" and 6".

No. 1452—5" (6 in box) ..... Pair

No. 1453—6" (6 in box) ..... Pair

Extra jaws for end cutting nippers. (In ordering state whether male or female.)

5" ..... Each

6" ..... Each

### For Chain Pliers or Grips

See page 24.

## Posts, Bicycle Seat



Expander Type.

No. 1510—3 x  $5\frac{1}{8}$ ",  
sizes  $\frac{3}{4}$ ",  $\frac{1}{2}$ ",  $\frac{7}{8}$ ",  
 $\frac{1}{2}$ ", 1" ..... Each

No. 1511—3 x  $5\frac{1}{8}$ "  
(all other diam-  
eters) ..... Each

No. 1512—4  $\frac{1}{2}$ " x  
8  $\frac{1}{2}$ ". Sizes  $\frac{3}{4}$ ",  
 $\frac{1}{2}$ ",  $\frac{7}{8}$ ",  $\frac{1}{2}$ ", 1".  
..... Each

No. 1513—4  $\frac{1}{2}$ " x  
8  $\frac{1}{2}$ ". (All other  
diameters, includ-  
ing 1  $\frac{1}{32}$ ", 1  $\frac{1}{8}$ ",  
1  $\frac{1}{4}$ ") ..... Each



C.C.M. Type.

Made in Our Own Factory

No. 1514— $\frac{7}{8}$  x 6"

C.C.M. Type. Each

No. 1515— $\frac{7}{8}$  x 9"

C.C.M. Type. Each

NOTE.—The No. 1514 is the Post regularly supplied on C.C.M. high grade bicycles.

### Seat Post Clamps

See page 16.

## Plugs, Sampson Brass

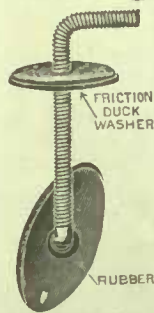
(Made in Canada)

We carry these in three sizes, viz., small, medium and large, 1 gross in box.

No. 1475—Small ..... Per dozen

No. 1476—Medium ... Per dozen

No. 1477—Large .... Per dozen



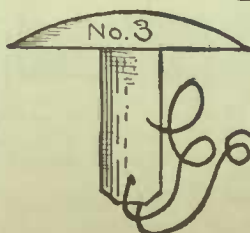
## Plugs, String

Rubber Plugs — With Strings, for repairing single tube tires, in three sizes: small, medium and large.

No. 1486—Small (100 in box) .... Per 100

No. 1487—Medium (100 in box) .... Per 100

No. 1488—Large (100 in box) .... Per 100





## Pumps, Bicycle

### Pumps, Hand



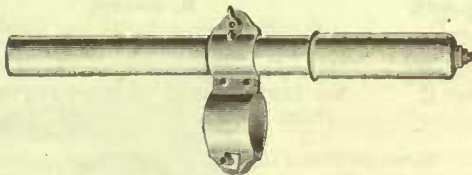
**Hand Pump.**—5  $\frac{3}{8}$ " barrel. Nickel-plated. Supplied with 3" rubber connection, fitting all standard valves.  
No. 1520 .....Per Dozen

### Pumps, Frame



**Austin Bicycle Frame Pump.**

Special feature: No tube connection, no leaky joints. End of pump fits over valve as in old "Banner" pump. Size of barrel, 9  $\frac{1}{4}$ " x  $\frac{7}{8}$ ". Length over all, 12  $\frac{1}{2}$ ".  
No. 1523—(12 in box), complete with one clip...  
.....Price, each 670<sup>2</sup>



**Hercules, nickelled.**—Made from very best quality brass tubing, nickel-plated. Fitted with high grade rubber connection, screw fitting, in end of plunger.

Size of barrel, 9  $\frac{3}{4}$ " x  $\frac{7}{8}$ "; length over all, 11".  
No. 1522—Less Clips (each in carton). Per dozen  
No. 1526—With No. 1542 Clips .....Per dozen 654



**Blumel Black Celluloid.**

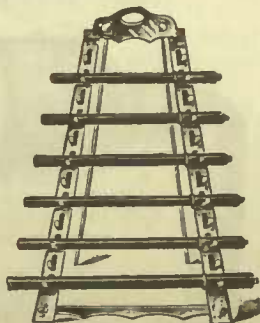
Very attractive in appearance. Well made and substantial. Solid moulded ends. No parts can come loose with use. Size of barrel, 14  $\frac{1}{4}$ " x  $\frac{1}{8}$ ". Length over all, 15  $\frac{1}{4}$ ". Complete with rubber connection, with spring-in fitting in end of plunger.

No. 1525—Less clips (36 in box) .....Per dozen  
No. 1527—With No. 1540 Clips (36 in box)....  
.....Per dozen 804<sup>5</sup>  
The 1540 is the English style clip—not listed.

### Stands Frame Pump

These will help to sell your pumps. Aluminum finish, 12" at base, 6  $\frac{1}{4}$ " at apex; height 18  $\frac{1}{2}$ ", with standing rack. Takes one dozen pumps.

No. 1550 .....Each



No. 1550.

### Pumps, Foot



**Favorite.**

**Favorite.**—A medium priced Pump, which has given universal satisfaction; 1  $\frac{1}{8}$ " x 12", seamless steel barrel, polished. Cap screws off at top. Length over all, 17  $\frac{3}{4}$ "; weight, 18 oz.

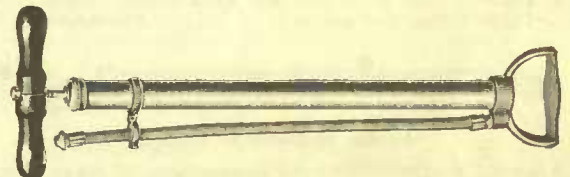
No. 1560 (15)—Favorite (100 in box). Per dozen



**"C.C.M."**

**C.C.M.**—1  $\frac{1}{4}$ " x 12". Length over all, 17  $\frac{3}{4}$ ". Barrel is made from seamless brass tubing, nickel-plated. Cap screws off at top. Weight 19 oz. Cast base. Flitted with 12" rubber pump connection.

No. 1563 (215)—(100 in box) .....Per dozen



**Noera. 1565 (84).**

**Noera (84)**—A good single action Bicycle Tire Pump. Seamless steel barrel, nickel-plated, 1  $\frac{1}{4}$ " x 13", length over all 23", plated cast base, screw cap. Flitted with 2 foot connection.

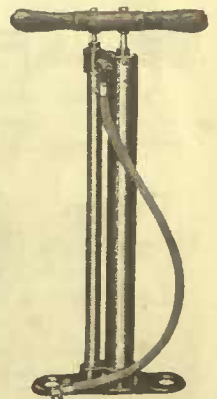
No. 1565 (84)—(25 in box) .....Each

### Comfort Pump

Two-cylinder double action Pump; cylinder 16" long; height over all, 19  $\frac{3}{4}$ "; width of handle, 7  $\frac{1}{2}$ ".

Steel barrels, cast base. 20" pump connection, with swivel fitting. Exceptional value.

No. 15201—Less Gauge  
(50 in box) .....Each



**Comfort.**

### Pump Clips, Frame

Suitable for  $\frac{7}{8}$ " pumps. One clip all that is required for holding pump. Fitted with Wing Nut.

No. 1542 .....Per dozen

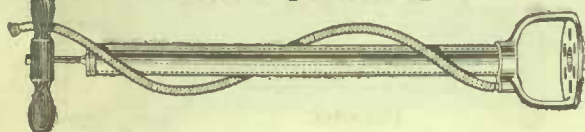


No. 1542.

"The Dealers' Interests Are Our Interests."

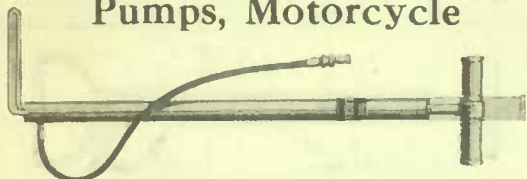
## Pumps (Continued)

## Foot Pump, Bridgeport



**Bridgeport (8)**—A large Pump, for store or shop use. Extra heavy seamless brass cylinder, nickel-plated, 20" long x  $1\frac{1}{2}$ " diameter, length over all 26". Heavy cast base, screw cap. Fitted with 24" connection.  
**No. 1564 (8)**—(25 in box) .....Each

## Pumps, Motorcycle



## "Excel" Combination Frame and Foot Pump.

Seamless brass barrel, nickel-plated. Size of barrel, 18 x 1"; length over all, 22 $\frac{3}{4}$ ". Fitted with swivel handle, which can be turned lengthwise on end of plunger and fitted over barrel. Foot Bracket also folds against the barrel.

Pump stem fits down inside of plunger with a spring clip. Fits either English or American style valve.  
**No. 1531**—Price, with two No. 1542 clips...Each  
**No. 1542**—Clips for above .....Per dozen



## Austin Motorcycle Pump.

Special feature: No tube connection, no leaky joints. End of pump fits over valve as in old "Banner" pump. Size of barrel, 15" x 1. Length over all, 18 $\frac{1}{2}$ ". Nickel-plated.

**No. 1532**—(Each in carton), complete with two clips .....Each

## Frame Pumps, Motorcycle



**No. 1533**—Motorcycle Frame Pump, nickel-plated. Size of barrel, 18" x 1"; length over all, 19". Pump connection, with screw fitting in end of plunger. Complete with two clips .....Price, each

Pump Washers  
(Leather)

For renewing pump washers on hand, foot and floor pumps, 100 in box.

**No. 22196**— $\frac{5}{8}$ " .....Per 100  
**No. 22189**— $\frac{3}{4}$ " (Fits pumps 1522, 1523).....Per 100  
**No. 22165**— $\frac{7}{8}$ " (Fits pump No. 15201).....Per 100  
**No. 22168**—1" .....Per 100  
**No. 22167**—1 $\frac{1}{8}$ " (Fits pump No. 1560).....Per 100  
**No. 22168**—1 $\frac{1}{4}$ " (Fits pumps 1563, 1564).....Per 100  
**No. 22169**—1 $\frac{3}{8}$ " (Fits pump No. 1564).....Per 100  
**No. 22170**—1 $\frac{1}{2}$ " .....Per 100  
**No. 22171**—1 $\frac{3}{4}$ " .....Per 100

**Boxed Assortment**—For the convenience of the bicycle repair trade, we have prepared an assortment of 72 Pump Washers, comprising the following sizes:—  
 6  $\frac{3}{4}$ ", 18  $\frac{7}{8}$ ", 12 1", 6 1 $\frac{1}{8}$ ", 24 1 $\frac{1}{4}$ ", 6 1 $\frac{1}{2}$ ".  
**No. 1555** .....Per box

## Pump Stems



**No. 1610**—3", for Hand Pumps, plain grey rubber (25 in bundle) .....Per dozen  
**No. 1611**—12", for Foot Pumps, plain grey rubber (100 in bundle) .....Per dozen  
**No. 1614**—For No. 1564 and 1565 Bridgeport Pumps, two feet long .....Each  
**No. 1615**—Universal spring-in style, fits nickel and celluloid English frame pumps. (See note.) (One gross in carton) .....Per dozen  
**No. 1616**—For No. 1522 American Nickel Frame Pumps .....Per dozen

**NOTE**—We cannot obtain a further supply of screw-in style stems for Hercules Nickel and Celluloid Pumps of English manufacture, and have, therefore, arranged for a universal spring-in style stem (No. 1615), which will fit both these pumps.

Our Nickel Pump No. 1522 is now American made, and No. 1616 stem fits it.

## Pump Connections



## K. Swivel.

Standard equipment on most Foot Pumps, and many Hand Pumps. Handy and easily fitted to rubber hose.  
**No. 1591**—For  $\frac{3}{8}$ " Tubing (25 in box) .....Per doz

The "Keno"—The threaded part is steel. The stem that goes in hose and the body are one solid piece (25 in box).

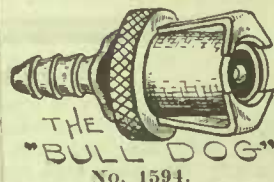
**No. 1592**—Regular size, for  $\frac{3}{8}$ " tubing .....Each  
**No. 1593**—Large size, for  $\frac{1}{4}$ " tubing .....Each



## Frame Pumps, Motorcycle

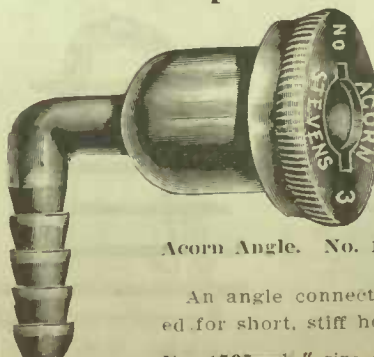


**No. 1533**—Motorcycle Frame Pump, nickel-plated. Size of barrel, 18" x 1"; length over all, 19". Pump connection, with screw fitting in end of plunger. Complete with two clips .....Price, each



The "Bull Dog"—Well made and with a good grip.  
**No. 1594**—(25 in carton) .....Each

## Pump Connections

Acorn  
Angle

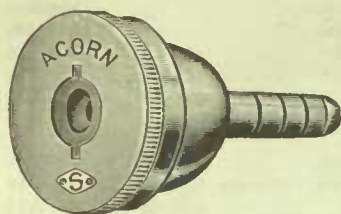
Acorn Angle. No. 1595.

An angle connection, especially adapted for short, stiff hose.

**No. 1595**— $\frac{1}{4}$ " size only (25 in carton) .....Each



## Pump Connections (Continued)



Acorn No. 1596.

## Acorn

Our new stock will be fitted with a metal collar inside the chamber, which prevents forcing the connection on the valve so far that it cannot easily be removed.

No. 1596 —  $\frac{3}{8}$ " regular size (50 in package)... Each

We cannot obtain  $\frac{1}{4}$ " size at present.

## Thumlock

**Thumlock Pump Connection.**—A new device which grips securely on the valve by pressing a small lever with the thumb. Nothing to get out of order.

No. 1597 .. Each



PATENT APPLIED FOR

## Ideal

For Power Pumps only.

No. 2289—(25 in carton) .. Each

## Pump Rubbers



Acorn.

No. 22103 — Acorn (100 in box). Per doz.

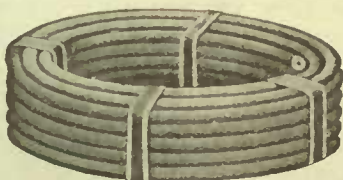
No. 1538—Fits in Austin Pump ..... Per doz

No. 1601 — Banner Per doz.



Banner.

## Pump Tubing



(Made in Canada)

We furnish black pump hose in three following sizes:  $\frac{1}{8}$ ",  $\frac{3}{16}$ ",  $\frac{1}{4}$ ", 2-ply. The  $\frac{1}{8}$ " is for hand or foot pumps,  $\frac{3}{16}$ " for shop or floor pumps, and the  $\frac{1}{4}$ " for large automobile power pumps. We also supply a special grade of red tubing, as specified below:

### Black.

No. 1620— $\frac{1}{8}$ ", 2-ply ..... Per foot  
No. 1621— $\frac{3}{16}$ ", 2-ply ..... Per foot  
No. 1622— $\frac{1}{4}$ ", 2-ply ..... Per foot

### Red.

No. 1630— $\frac{1}{8}$ ", 2-ply ..... Per foot  
No. 1631— $\frac{3}{16}$ ", 3-ply ..... Per foot  
No. 1632— $\frac{1}{4}$ ", 3-ply ..... Per foot

## Plugs

### Benton Mica Motorcycle

Made in Two Sizes.

Fully guaranteed. Complete cleaning instructions in each box.

No. 1499 — Metric. Price, each

No. 1500 — A.L.A.M. Price, each



No. 1499 Metric.



Sectional View.



## Reamer

For reaming out valve hole in rims and repair work on wood or metal. Will fit standard stock in brace or breast drill. Tapers from  $\frac{1}{8}$ " to  $\frac{1}{2}$ ". Each in carton. No. 17102 ..... Each \$1.90

## Repair Tags Hercules

(Made in Canada)

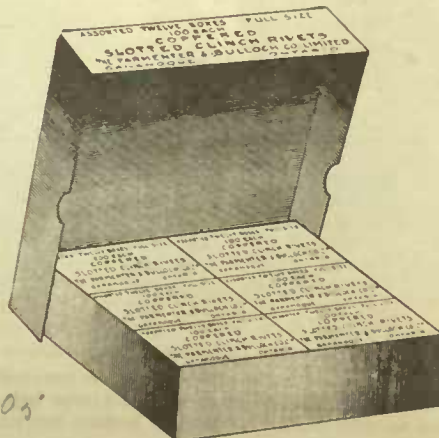
Indispensable to every repair man. Each tag is numbered consecutively, and has detachable coupon for customers.

We cannot supply any specified numbers, but will fill orders with consecutive numbers for any quantity.

No. 1655—Per 1,000 (1,000 in pkg.) ..

REPAIR TAG.	
No. 7456	Date .....
Jenior .....	
Address .....	
Promised .....	
REPAIRS	CHARGES
.....	.....
.....	.....
.....	.....
GENT. MGR.	
No. 7456 Promised	
CLAIM CHECK.	
All Repairs Cash.	
We Work Without This Check	
This Cut is Reduced.	

## Rivets, Bifurcated



One Rivet Holder will be found in each small box.

Put up in small boxes, 100 assorted. Twelve small boxes in carton.

No. 1680 — Large box (12 small boxes) ..... Each.

No. 1681 — Small box (100 assorted Rivets) .... Each..

# Rims, Bicycle Wood

Rim Striping Specifications from 1912 to 1918.

All Dunlop Style Single Piece Rims.	No. of Stripe used in 1912.	No. of Stripe used in 1913.	No. of Stripe used in 1914.	No. of Stripe used in 1915.	No. of Stripe used in 1916.	No. of Stripe used in 1917-18.
Cleveland Hygienic .....	16	22	16	16	16	16
Cleveland Rigid .....	16	16	16	16	16	Models 455-6 ..... **16
Cleveland Rigid .....						" 457-8 ..... A18
Cleveland Juvenile (Boys' and Girls') .....	16	16	16	16	16	A 5
Cleveland Flyer .....	..	*19	..	..	..	40
Brantford Hygienic .....	6	26	40	40	40	Models 555-6 ..... 40
Brantford Rigid .....	20	20	40	40	40	" 557-8 ..... A18
Brantford Rigid .....						A 5
Brantford Juvenile (Boys' and Girls') .....	20	20	16	16	16	25
Massey Hygienic .....	21	21	25	25	25	Models 355-6 ..... **25
Massey Rigid .....	15	25	25	25	25	" 357-8 ..... A18
Massey Rigid .....						A 5
Massey Juvenile (Boys' and Girls') .....	15	25	16	16	16	48
Massey Grey Wolf .....	..	*30	..	..	..	Models 655-6 ..... **48
Perfect Hygienic .....	6	6	16	16	16	" 657-8 ..... A18
Perfect Rigid .....	20	20	16	16	16	A 5
Perfect Rigid .....						25
Perfect Juvenile (Boys' and Girls') .....	20	20	16	16	16	Models 855-6 ..... **25
Gendron Hygienic .....	..	26	25	25	25	" 857-8 ..... A18
Gendron Rigid .....	..	20	25	25	25	A 5
Gendron Rigid .....						48
Gendron Juvenile (Boys' and Girls') .....	..	25	16	16	16	Models 755-6 ..... **48
Ivanhoe Hygienic .....	6	26	16	16	16	" 757-8 ..... A18
Ivanhoe Rigid .....	16	20	16	16	16	48
Ivanhoe Rigid .....						Models 955-6 ..... **48
Columbia Hygienic .....	..	..	..	..	A6 & 8	" 957-8 ..... A18
Columbia Rigid .....	..	..	..	..	A6 & 8	Plain
Columbia Rigid .....						
Model F. ....	..	..	..	A18	A18	
Motorbike, Model "W," all nameplates. Road Cart Red, with Green Head .....						36
Green with Gold Head .....						71
Racer, Model "T," all nameplates. Crescent Laminated Racer style. Section C-6. Plain varnished finish.						

\*NOTE.—In ordering striped rims for Cleveland Blue Flyer or Massey Grey Wolf, state whether Dunlop or Crescent style required.

\*\*NOTE.—When high grade Bicycles, irrespective of nameplate, are ordered in any of our stock colors, the following rims will be used:

Finish No.	Bicycles Enamelled.	No. of Rim equipped.
3.....	Maroon .....	40
4.....	Maroon and Gold Stripe .....	40
5.....	French Grey with Green and Red Stripe .....	30
6.....	French Grey with Blue Sunburst Head and Blue and Gold Stripe .....	48
7.....	French Grey with Red Sunburst Head and Red and Gold Stripe .....	50
8.....	Road Cart Red with Green Stripe .....	36
9.....	Green with Gold Stripe .....	71
10.....	Green with Gold Sunburst Head and Gold Stripe .....	71
2.....	Black with Red Sunburst Head .....	A6
	All "B" Grade Bicycles, men's and ladies', whether black or colored .....	18
	Juveniles, Green only .....	71
	Juveniles, Black, Maroon or Grey .....	A5

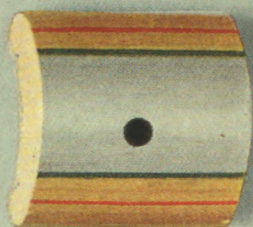
## Price List

Plain, 24" (36 in crate) .....	Per pair
Plain, 26" and 28" (36 in crate) .....	" "
No. 8 Stripe, 28" (36 in crate) .....	" "
" 16 " 26" and 28" (36 in crate) .....	" "
" 18 " 28" (36 in crate) .....	" "
" 25 " 26" and 28" (36 in crate) .....	" "
" 30 " 28" (36 in crate) .....	" "
" 36 " 28" " .....	" "
" 40 " 28" " .....	" "
" 48 " 28" " .....	" "
" 50 " 28" " .....	" "
" 71 " 26" and 28" (36 in crate) .....	" "
" 72 " 28" (36 in crate) .....	" "
" 73 " 28" (36 in crate) .....	" "
" A5 " 26" and 28" (36 in crate) .....	" "
" A6 " 26" and 28" (36 in crate) .....	" "
Section C-6, Laminated Rim, Racer Model. (36 in crate) .....	" "

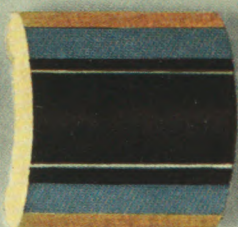
The above Rim stripings, as specified, will be carried in stock during the coming season, drilled 32 and 36 hole. Any Striping or Drilling different from the above will be special, and unless we happen to have some in stock, will mean a delay of two weeks or longer before delivery can be made.

All Drilled Rims are Fitted with Saw Tooth Washers.

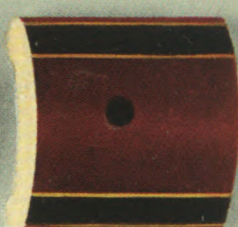




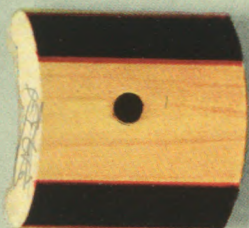
30



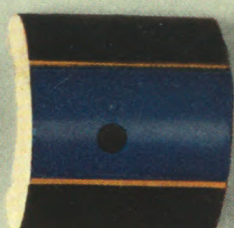
8



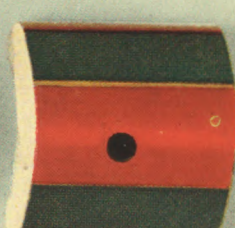
72



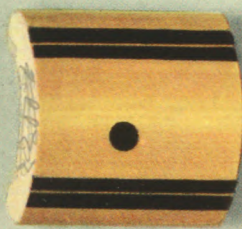
25 62032



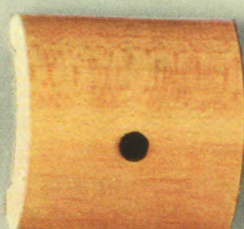
73



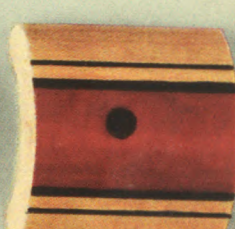
36



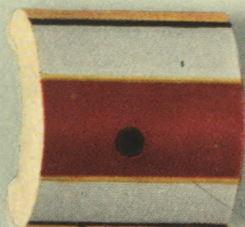
18 71936



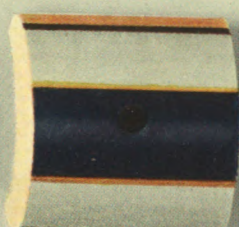
PLAIN



A5



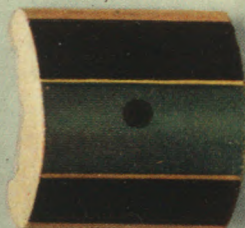
40



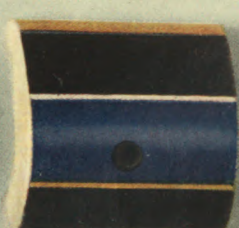
48



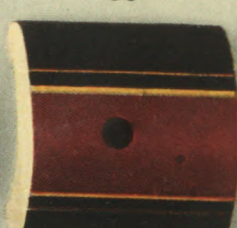
50



71



16



A6







# Rims, Bicycle, Wood

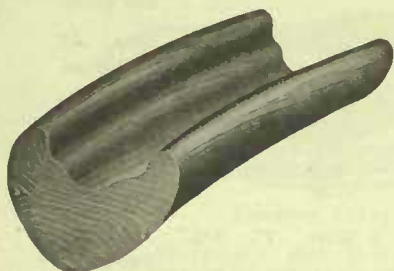
(Made in Our Own Factory)

**Note.**—All drilled wood rims are fitted with saw-tooth washers.

These Rims are manufactured from finest selected hard maple. They are all treated with a special formula waterproof oil, of great penetration, which prevents

splitting at the spoke holes, and greatly increases the life of the rim. Finished with highest grade of varnish, and highly polished.

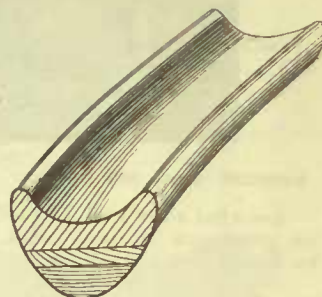
Fully guaranteed as to quality, material and workmanship.



"Dunlop" Single Piece.



Single Piece, showing Interlocking Joint.



"Crescent" Laminated.

Single Piece—Dunlop, for 24" tires (36 in crate)..Per pair

Single Piece—Dunlop, for 26" and 28" tires (36 in crate) .....Per pair

Crescent Laminated—For 28" tires only (36 in crate).... Per pair

**Note.**—All drilled wood rims are fitted with saw-tooth washers.

## For Built-Up Wheels

See page 70.

## Rims, Seconds

**Rims—Seconds.** These are Rims rejected by our inspectors because of imperfect coloring in the natural wood, or a knot or some other slight imperfection which does not impair the serviceable qualities of the Rim in the least.

These Rims are fitted with saw-tooth washers and crated. They are marked "Star." All orders for these are subject to previous sale.

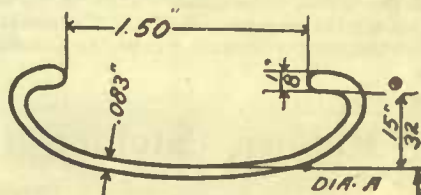
Star—Drilled 32 and 36 hole (36 in crate). Per pair

## Rims, Steel

### Cannot Supply

Owing to the shortage of Steel Rims, we have been obliged to discontinue listing this line for the present.

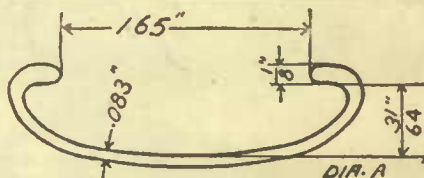
## Rims, Motorcycle, Steel



**BB.**—Takes place of old 2 1/2" Rim, and accommodates 2 1/4" and 2 1/2" x 28" Tires.

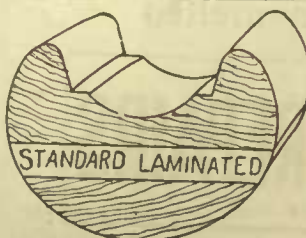
Supplied in rough coppered finish only. Drilled 36 or 40 holes, or undrilled.

Each .....



**CC.**—Made for heavy machines. Will accommodate 2 3/4" and 3" x 28" Tires .....Each

Supplied in rough coppered finish only. Drilled 36 or 40 holes, or undrilled.



## Rims, Sulky or Tandem

Made in Our Own Factory

We carry a stock of Sulky Rims in Dunlop style, 26" and 28".  
(18 pair in crate) .....Per pair

"The Dealers' Interests Are Our Interests."

## Rubber Patches, Circular



Assorted sizes, 100 in box. (Made in Canada)

Assorted sizes  $1\frac{1}{8}$ " to  $1\frac{1}{2}$ ". Very handy for repairing punctures in inner tubes. Packed 100 in box.  
No. 1665—Per box of 100 .....

## Rubber Patches

**M. & M.  
Sticktite  
Patch**



Sticktite Gasoline Patches solve the problem where an extra quick repair is desired in an emergency.

No. 15048—Quick Emergency Patch, in tin box, containing 10 assorted patches,  $1\frac{1}{4}$ " to 2" diameter, with strip of sandpaper for cleaning tube, and complete instructions.

Per box .....

## Rubber, Patching



Made in Canada

High Grade Rubber, good heavy weight, supplied in 2-oz. rolls,  $2\frac{1}{2}$ " wide, about 6 ft. long. Specially adapted for repairing tears or punctures in inner tubes. Eight rolls to box.

No. 1660—Per roll .....

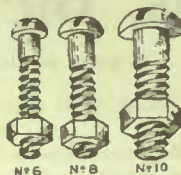
## Signs, Enamelled



Blue Letters on White Background.—Supplied lettered on both sides, to project in front of shop.

No. 1905 .....

## Screws



Round head, nickelled. Used on toe clips, bells, mud and chain guard braces, etc. Nickel dipped, cold-pressed hexagon nuts are supplied to fit the screws, if desired. They are supplied in three different sizes, one gross in box, as follows:

Screws Only—No. 6 Wire,  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " long, 32 thread ..... Per gross

Screws Only—No. 6 Wire,  $\frac{3}{4}$ ", 1" long, 32 thread ..... Per gross

Screws Only—No. 8 Wire,  $\frac{3}{8}$ ",  $\frac{1}{2}$ " long, 32 thread ..... Per gross

Screws Only—No. 8 Wire,  $\frac{5}{8}$ ",  $\frac{3}{4}$ " long, 32 thread ..... Per gross

Screws Only—No. 8 Wire, 1",  $1\frac{1}{4}$ " long, 32 thread ..... Per gross

Screws Only—No. 10 Wire,  $\frac{3}{8}$ ",  $\frac{1}{2}$ " long, 32 thread ..... Per gross

Screws Only—No. 10 Wire,  $\frac{5}{8}$ ",  $\frac{3}{4}$ " long, 32 thread ..... Per gross

Screws Only—No. 10 Wire, 1",  $1\frac{1}{4}$ " long, 32 thread ..... Per gross

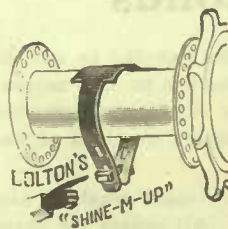
Screws Only—No. 10 Wire,  $1\frac{1}{2}$ " long, 32 thread. .... Per gross

Screw Nuts for above ..... Per gross

Screws and Nuts, assorted (1 gross each in box) ..... Per box

## Shine-M-Up

Hub Cleaners



Put up on display cards holding 6 fronts and 6 rears. Six cards in box.

No. 1900—Per card (1 doz.) .....

## Steel Wool



For rubbing down bicycle frames. Supplied in one pound packages in following grades—fine, medium and coarse.

No. 1990—Fine, 1 lb. in package ..... Per lb.

No. 1991—Medium, 1 lb. in package .... Per lb.

No. 1992—Coarse, 1 lb. in package ..... Per lb.

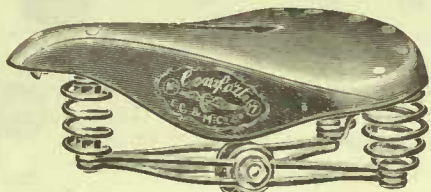
Prices Subject to Change Without Notice.



# Saddles

## "Comfort" and "Hercules"

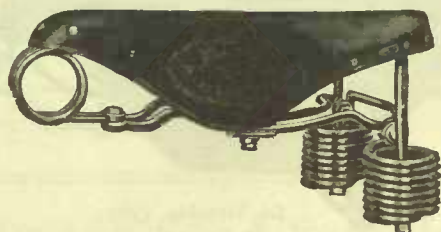
"Comfort" and "Hercules" Saddles are made from finest selected leather. The springs are manufactured from the best cold-drawn steel wire, specially prepared for that purpose. The binding clips are made true to gauge, ensuring a firm grip on the seat post. These saddles are of first-class finish in every respect, and handsome in appearance.



Comfort (17).

Standard Roadster. Size  $10\frac{1}{2}$ " x 8" x 4". The three coil springs and the truss are black enamelled; the clamp nickel-plated. Optional equipment on C.C.M. Grade "B" Men's Bicycles.

No. 1817 ..... Each 4.95



Comfort, No. 42.

$10\frac{1}{4}$ " long x  $7\frac{3}{4}$ " wide. Truss and spring black enamelled. American style clamp, nickel-plated. Standard equipment on C.C.M. Grade "B" Men's Bicycles.

Reinforced Seat prevents sagging.

No. 1842 ..... Each 2.50



Comfort, Ladies' (24).

Size  $8\frac{1}{2}$ " x  $7\frac{1}{2}$ " x 4". Truss and coil springs black enamelled. American style clamp, nickel-plated. Standard equipment on C.C.M. Grade "B" Ladies' Bicycles.

No. 1824 ..... Each 1.85



Comfort, Ladies' (34).

Comfort, Ladies' (34)—Size 10" x  $8\frac{1}{2}$ " x 4", nickel-plated springs and fittings. Embossed top. Standard equipment on C.C.M. Ladies' Grade "A" Bicycles.

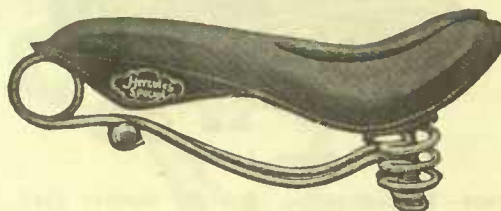
No. 1834 ..... Each 2.60



Hercules (39).

Size  $10\frac{1}{2}$ " x  $8\frac{3}{4}$ " x 4". Heavy rear wire coil springs, double coil steel nose springs, steel girder base. Black enamelled springs and girder, nickel-plated clamp. Very superior leather top, blocked to shape. Well suited for heavy riders. Standard equipment on C.C.M. Grade "A" Men's Bicycles.

No. 1839 ..... Each 4.2750



Hercules Special.

Hercules Special Saddle. Handsome, well finished standard road saddle. Length 9", width  $7\frac{1}{4}$ ". Fitted with Universal spring and special hinge joints on front; double coil torsion spring.

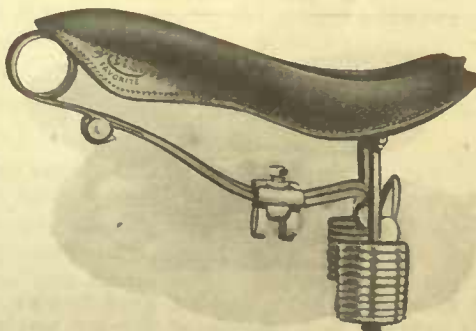
No. 1836 ..... Each



Hercules (No. 41). Track Racing Saddle.

Size  $11\frac{1}{4}$ " x  $6\frac{3}{4}$ " x  $2\frac{1}{4}$ ". Weight 1 pound 9 oz. Nickelled springs of cold drawn steel wire. A popular saddle for track racers; extra long, with back narrow and well rounded. Standard equipment on C.C.M. Racer Bicycles.

No. 1841 ..... Each



Hercules Favorite.

Hard top saddle,  $10\frac{3}{4}$ " long x  $7\frac{1}{2}$ " wide. Truss and spring black enamelled. American style clamp, nickel-plated.

No. 1810 ..... Each

NOTE.—When ordering parts always send samples.

"The Dealers' Interests Are Our Interests."

## Saddles (Continued)



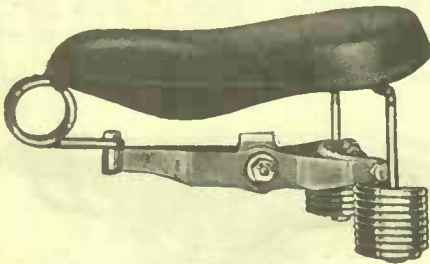
Nemo, Men's.

No. 1800—Men's Nemo. Size  $10\frac{1}{2}$ " x 8" x 3". Black enameled truss, nickel-plated clamp and nose fitting. Standard equipment on C.C.M. Juveniles, Boys' models .....Each



Nemo, Ladies'.

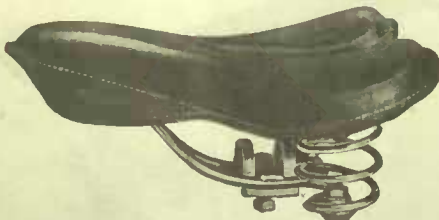
No. 1801—Ladies' Nemo. Slightly shorter than Men's Nemo; embossed top. Standard equipment on C.C.M. Juveniles, Girls' models. Each



Motorbike Jr.

Motorbike Jr.—A motorcycle type saddle, with padded top and patent compound springs, built to last indefinitely. Size of top 11" x 9". Weight 4 lbs. 10 oz. Metal parts nicely black enamelled. Standard equipment on C.C.M. Motorbike Bicycle.

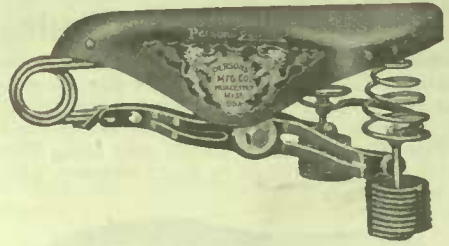
No. 1844 .....Each



Motorbike Padded.

D-2 Padded—A light, durable, good looking, comfortable saddle. Top consists of five-ply maple and basswood veneer, light and strong, to which is cemented several layers of high grade felt, the whole then covered with grain leather. Fitted with patent compound springs. Size of top  $9\frac{1}{4}$ " x  $7\frac{1}{2}$ ". Weight 1 lb. 7 oz.

No. 1845 .....Each

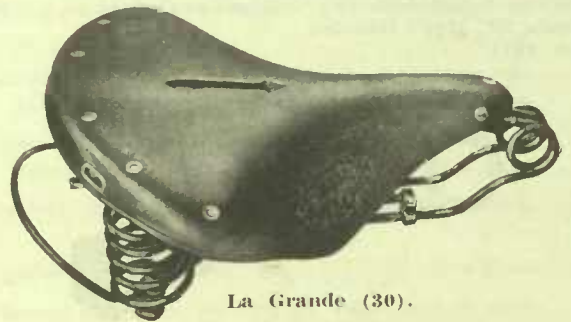


No. 1843. Zenith (3).

Size  $10\frac{5}{8}$ " x  $8\frac{1}{2}$ " x 4". A heavy, durable saddle, with very serviceable truss and rear springs. Black enamelled girder base.

No. 1843—Zenith (3) .....Each

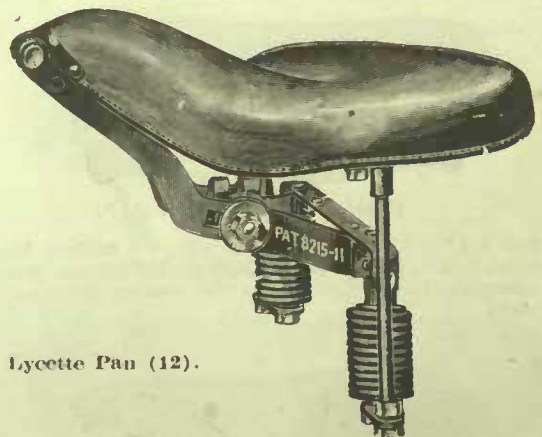
## Motorcycle Saddles



La Grande (30).

Fits low on machine. Size 14" x  $11\frac{3}{4}$ ". Weight 4 lbs. 9 oz. Highest grade oak tanned leather top, reinforced. Truss black enamelled.

No. 1830 .....Each



Lyette Pau (12).

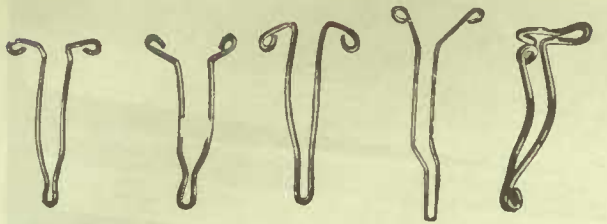
A comfortable saddle, made of the best material. Width 13", length  $12\frac{3}{4}$ ". Base of saddle is of steel, properly shaped to fit, nicely padded, covered with high quality leather. Truss is heavy gauge metal, black enamel finish, with extended Torsion spring, very resilient, under rear of saddle.

No. 1812 .....Each

NOTE.—When ordering parts always send sample.



## Saddle Parts



No. 2. No. 4. No. 00 No. 11 Hercules Special.



No. 5.

### Saddle Trusses

No. 2—Truss for American Saddle, with two rear coil springs. .... Each

No. 4—Truss for American Saddle, without coil springs.... Each

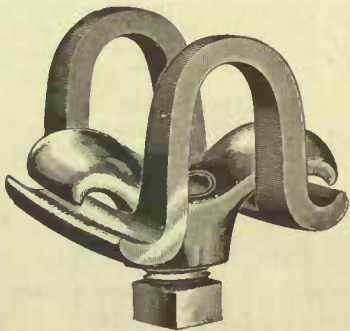
No. 00—Truss for American Saddles, without coil springs, and bolted on saddle base ..... Each

No. 11—Truss for Saddle, with three coil springs. .... Each

No. 5—Truss for American Saddles (comprising two coil springs), bolted on saddle base. Each  
Hercules Special .....

**Always Send Sample  
of Part Required**

### Saddle Clamps



**American**—This is the standard Clamp for American styles of saddle springs.

No. 1875—Clamp, complete. Each

#### Clamp Parts.

Clip only .. Each  
Clip Binder only. .... Each

Clip Binder, Set  
Screw only .. .... Each

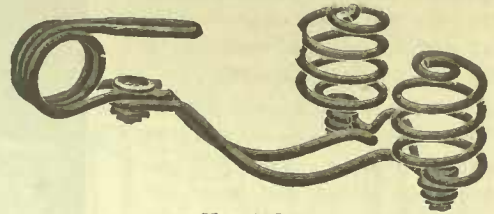
#### Clamp, Chalfant

A Clamp for attaching to top bar of frame for purpose of lowering saddle by bringing it closer to the frame than the seat post would allow. No seat post is necessary when this clamp is used.

No. 574—1" size ..... Each  
No. 575—1 1/8" size ..... Each



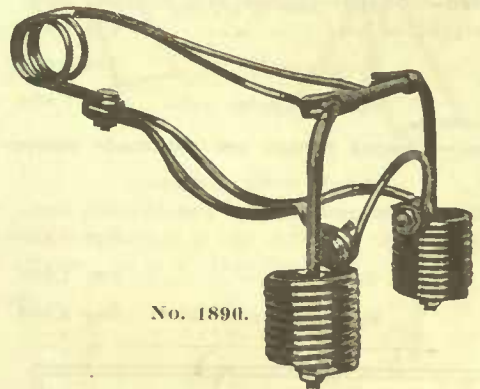
### Saddle Springs



No. 1880.

**Troxel Combination Saddle Springs.**

An easy saddle spring. Adjustable to any saddle.  
No. 1880—Complete ..... Each



No. 1890.

**Perfection Springs.**

All assembled and nickelled. A very easy spring.  
No. 1890—Each .....

## ORDERING SADDLE PARTS

Always send in a sample of the part required when in need of parts for the saddles equipped on our bicycles, or sold by us in the Accessories Department.

This is absolutely essential for the correct filling of your order.

The reason for this is that during the last two years we have been obliged, on account of war conditions, to purchase our saddles from a number of different sources. While we are retaining our own saddle model numbers, naturally the saddles supplied by different makers do not have identically the same parts.

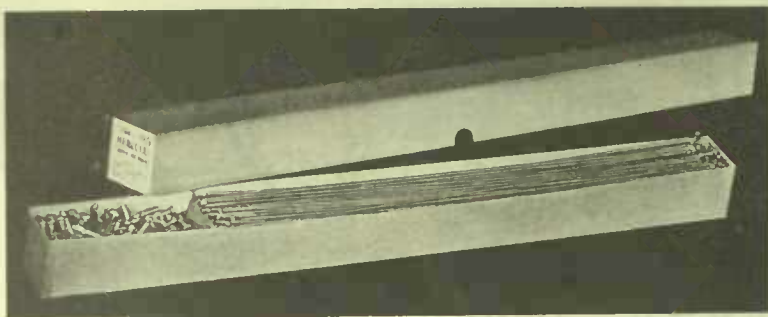
For example, the No. 39 Saddle has been made by three different manufacturers, and each maker's parts are slightly different from those of the others, hence we must have samples.

"The Dealers' Interests Are Our Interests."

## Spokes and Nipples, Bicycle, "Hercules"

Tensile strength and extra quality finish are outstanding features of Hercules spokes. They are manufactured from the very best grade of piano wire in 15-17 gauge, and are tested to a breaking strain of 800 pounds.

Hercules spokes are heavily nickel-plated on burnished copper, and are practically rust-proof. They will retain their high polish and wear for years. They are supplied in neat cardboard boxes, packed 150 spokes and nipples per box, and are furnished in all standard lengths.



(Made in Our Own Factory)

Notice the quality of the plating on Hercules Spokes.

**No. 1920—Swaged—Spokes and Nipples, complete (150 in box) . . . . .** Per 1,000 **3 75 00**  
     Spokes only . . . . . Per 1,000  
     Spoke Nipples only . . . . . Per 1,000

**Note.—Swaged Spokes are not made shorter than 11 3/8".**

**No. 1925—Unswaged—Spokes and Nipples, complete (150 in box) . . . . .** Per 1,000  
     Spokes only . . . . . Per 1,000  
     Spoke Nipples only . . . . . Per 1,000

**Note.—Lengths of spokes generally used in bicycle wheels are as follows:**

For 24" front wheels . . . . . 9 7/8" and 10"  
 For 24" rear wheels . . . . . 10"  
 For 26" front wheels . . . . . 10 3/4" and 10 7/8"  
 For 26" rear wheels . . . . . 10 3/4"  
 For 28" front wheels . . . . . 11 1/4" and 11 3/8"  
 For 28" rear wheels . . . . . 11 3/8"

### Note

When stringing 36 hole rims, use 1/8" shorter spokes than in 32 hole rims. Example: 28" front wheel, 32 hole rim, use 11 3/8" spokes; 28" front wheel, 36 hole rim, use 11 1/4" spokes.

## Spokes and Nipples Sulky

**No. 1940—Bent Head Spokes and Nipples, 12-14 gauge, 10 1/4", 11 3/8", 11 7/8"—Per 100**



## Spokes, Bike Wagon

We supply these in the following gauges and lengths only:

11 gauge, bent head, 14", 15". 11 gauge, straight head, 15", 16". 9 gauge, bent head, 14 5/8", 15 5/8", 16 5/8".

**No. 1930—11 gauge, straight head . . . . .** Per 100

**No. 1931—11 gauge, bent head . . . . .** Per 100

**No. 1932—9 gauge, bent head . . . . .** Per 100

**Skate Grinding Holder**  
 See page 32.

## Spokes and Nipples, Motorcycle



**No. 1950—Size 135-110 (10-12), all lengths . . . . .** Per 100 **\$7.80**

Following is a list of lengths used by various manufacturers, practically all of whom adopted the Diamond E. Spokes in 135-110 size as standard equipment on their 1915, 1916 and 1917 models:

11 1/8" for	1912-13 Pope.
11 1/4" for	1912 Excelsior.
11 3/8" for	1912 Pope.
11 3/8" for	{ 1912-15 Indian. 1912 Triumph. 1915 Harley-Davidson. (a few).
11 7/8" for	1913 Excelsior.

**For 1916 Models.**

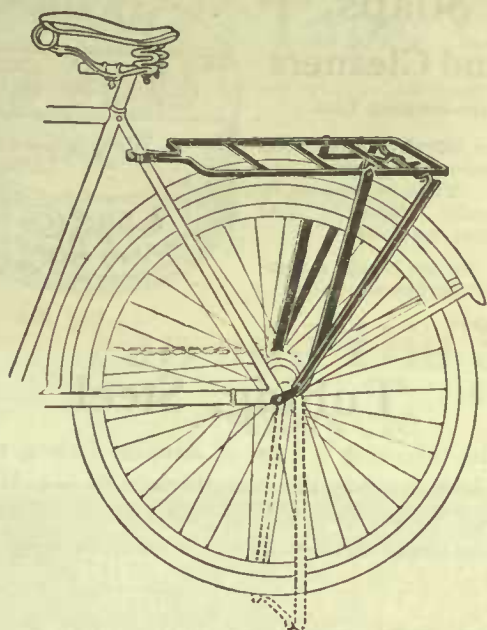
Maker.	Spoke Length.
Excelsior . . . . .	10 3/8"
Hendee—	
Model F-G . . . . .	10 3/4" front
. . . . .	10 7/8" rear
5 1/2 H.P. . . . .	11 3/8"
Model K . . . . .	10 3/4"
Side Car . . . . .	10 3/4"
Harley-Davidson . . . . .	10 3/8" front
. . . . .	10 3/8" rear
Henderson . . . . .	10 3/8" front
. . . . .	10 3/8" rear
Miami . . . . .	10 7/8"
. . . . .	11 3/8"
Reading Standard . . . . .	10 7/8"

10 3/8" for	1915 Dayton Rear.
10 3/8" for	1915 Dayton Front.
10 3/8" for	1914-5 Pope.
10 7/8" for	{ 1914-5 Pope. 1915 Henderson 2-speed Rear.
10 3/8" for	{ 1914 Harley-Davidson. 1915 Emblem. 1915 Excelsior. 1915 Yale.
10 5/8" for	{ 1913 Harley-Davidson. 1915 Emblem Front.
10 3/4" for	{ 1914-5 Indian Front. 1915 Henderson.
10 7/8" for	{ 1913-5 Indian Rear (7 h.p. model). 1912-3 Harley-Davidson. 1915 Emblem Rear.

Prices Subject to Change Without Notice.



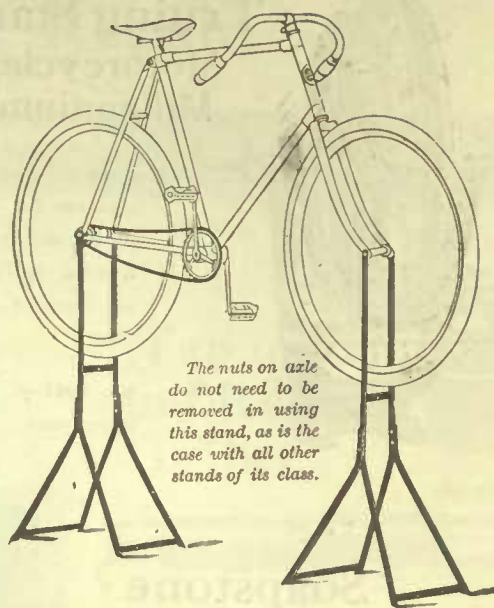
# Stands, Bicycle



**C.C.M. Combination.**  
(Made in Canada)

- No. 412—C.C.M. Combination Rear Carrier and Stand (6 in package) .....  
 No. 571—Grey Enamel ..... Each  
 No. 572—Maroon Enamel ..... Each

For further description, see page 21.

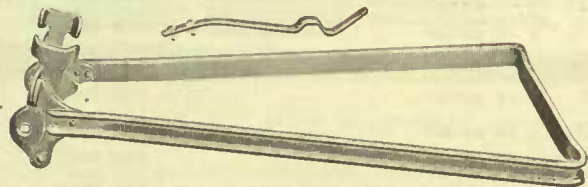


The nuts on axle do not need to be removed in using this stand, as is the case with all other stands of its class.

**Perfection Floor Stand.**

A valuable fixture in any store for properly displaying a bicycle. It is a silent salesman.

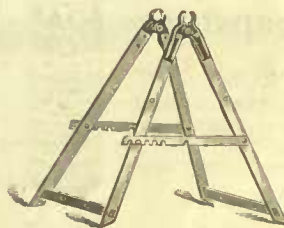
- No. 1971 ..... Per pair



**"C.C.M." No. 1974.**  
(Made in Canada)

Is attached to rear axle and can be used as a shop display stand, or for bicycle delivery work. Made of channel steel, enamelled black. Weight 31 ounces.

- No. 1974 ..... Each



**Myers' Open.**

**Myers' Floor Stand**—Excellent to use in showing off wheels. Adjusted to any wheel. Finished in aluminum.

- No. 1970—(3 doz. in box) .....  
 ... Each



**Closed.**



**Myers' Street Stand.**

## Street Stand, Myers'

This stand will hold eight bicycles in position and serve for a business sign at the same time. We furnish with plain sign, finished ready for lettering.

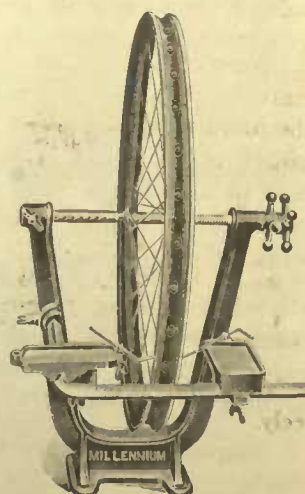
- No. 1972 .....  
 ... Each

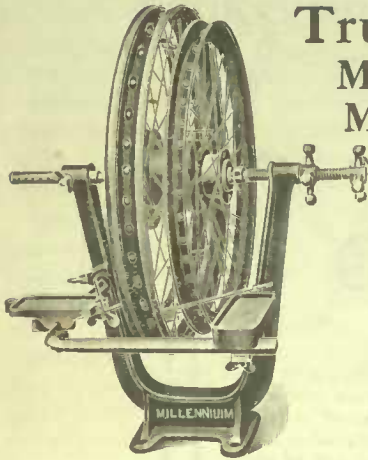
## Truing Stand, Bicycle, Millennium

The screws have cupped centres, and will take any spindle. By far the best finished and most convenient stand on the market.

The truing stage is so arranged that the wheels can be trued from back or front of rim.

- No. 1987—Weight, 26 lbs. .... Each





## Truing Stand Motorcycle, Millennium

This stand is suitable for bicycle or motorcycle wheels, and takes all sizes of spindles.

No. 1987—  
Price, each

## Soapstone

Put up in regular long, slim container, with sprinkler top.

No. 18070—1 lb. sprinkling top (3 doz. in box) .....Each

No. 18152—1 lb. packages, bulk  
.....Per lb.



## Use Plenty of Soapstone

A LIBERAL application of Soapstone sprinkled on your inner tubes will noticeably lengthen the life of the tires and give you better service from them.

The Soapstone reduces the friction which would otherwise take place between the tube and the canvas lining of the covers. It also acts as an insulator, protecting the inner tube from the heat generated in the tires when moving quickly under load.

Another trouble which is overcome by the use of plenty of soapstone is the tendency of the inner tube to stick to the cover lining, which "kills" that portion of the inner tube which comes in contact with the outer cover.

When making repairs, Soapstone should, of course, be sprinkled freely over any patches, as an extra precaution to prevent surplus cement from sticking to the cover.

Soapstone costs very little, and should be used freely.

## Soaps, Hand Cleaners

Gre-Solvent Uko.

More effective than soap in removing grease and grime. Much in demand by mechanics, laborers and munition workers.

Put up in 10 oz. attractive lithographed cans.

No. 1993 .....Per doz.



## Tubing, Steel

The following is a list of sizes on Tubing which have been used in the manufacture of C.C.M. Bicycles. Under ordinary circumstances we have a stock of these sizes at all times and can supply any quantity:

$\frac{1}{8}$ " x 20 gauge	.....Per foot
$\frac{1}{2}$ " x 20 gauge	.....Per foot
$\frac{3}{8}$ " x 12 gauge	.....Per foot
$\frac{3}{8}$ " x 20 gauge	.....Per foot
$\frac{3}{8}$ " x 22 gauge	.....Per foot
$\frac{3}{4}$ " x 18 gauge	.....Per foot
$\frac{3}{4}$ " x 18 gauge	.....Per foot
$\frac{3}{4}$ " x 18 gauge	.....Per foot
$\frac{3}{4}$ " x 20 gauge	.....Per foot
1" x 16 gauge	.....Per foot
1" x 20 gauge	.....Per foot
1 $\frac{1}{8}$ " x 20 gauge	.....Per foot
1 $\frac{1}{8}$ " x 20 gauge	.....Per foot
1 $\frac{1}{8}$ " x 20 gauge	.....Per foot

Other Sizes.—In addition to the above, we have a limited quantity of other sizes of tubing, ranging from  $\frac{1}{16}$ " to 1 $\frac{1}{2}$ " in various gauges. These are not now used in the construction of C.C.M. Bicycles, but can be furnished at reasonable prices, subject to prior sale.

## Torches

Hot Blast Torch—Gasoline

With attachments for holding soldering iron (not shown in illustration).

Capacity 1 qt., height over all 9 $\frac{1}{2}$ ", diameter 4", weight 3 lbs., consumption  $\frac{1}{2}$  pt. per hour. Improved automatic pump.

No. 19045 ...Each





## Taps, Crank Repair

**Taper Taps**, for tapping out cranks in standard size.

**No. 504**— $\frac{1}{2}$ " x 20 thread (1 pr. in wooden box) ..... Per pair

**No. 528**— $\frac{9}{16}$ " x 20 thread (1 pr. in wooden box) ..... Per pair



No. 504.

## Tap and Die Sets Bicycle



(Made in Canada)

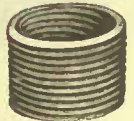
A most convenient assortment. A complete outfit for ordinary repairs. The dies, being made in two parts, allow a large range of sizes to be threaded with one die.

All dies in this set are adjustable, and will cut  $\frac{1}{16}$ " larger or smaller than size marked on die.

**No. 2100 (99)**—Stock 12 inches; 14 dies, cutting  $\frac{1}{4}$ ", 24, 30, 32;  $\frac{5}{16}$ ", 16, 18, 20, 22, 24, 26, 28, 32;  $\frac{1}{2}$ ", 20, right hand;  $\frac{1}{2}$ ", 20, left hand. 23 Bicycle Taper Taps, cutting  $\frac{1}{4}$ ", 20, 22, 24, 26, 28, 30, 32;  $\frac{5}{16}$ ", 18, 20, 22, 24, 26, 28, 30;  $\frac{3}{8}$ ", 16, 18, 20, 22, 24, 26, 28;  $\frac{1}{2}$ ", 20, right hand;  $\frac{1}{2}$ ", 20, left hand; including one pair tap Wrench Dies.

Price ..... Each

## Tap (Crank) and Reamer Set



Bushing.



Tap and Reamer  
Four in One.

Contains 1 pair  $\frac{5}{8}$  x 24 Taps, R. and L. Hand.

Six  $\frac{1}{2}$ " x 20 R. H. Bushings.

Six  $\frac{1}{2}$ " x 20 L. H. Bushings.

By drilling out the crank, tapping with  $\frac{5}{8}$  x 24 tap, and screwing the special bushings supplied on the pedal pins, a highly satisfactory and permanent job is made.

**No. 507**—Per set (1 set in box)...

**No. 508R**—Extra Bushings, Right.

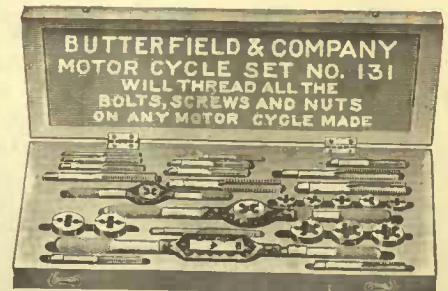
..... Each

**No. 508L**—Extra Bushings, Left.

..... Each

Bushings packed 12 Rights and 12 Lefts in box.

## MOTORCYCLE TAP AND DIE SET.



(Made in Canada)

## Tap and Die Sets, Motorcycle

This set will thread all the bolts and nuts in the Yale, Indian, Harley-Davidson, Thor, Excelsior, and other makes of Motorcycles. The only combination put up strictly for this purpose. Consists of one 9" Stock with six 1" dies, cutting  $\frac{5}{16}$ ", 24, 28;  $\frac{3}{8}$ ", 24;  $\frac{1}{2}$ ", 20, 24;  $\frac{9}{16}$ ", 24. One 5" Stock with six  $\frac{3}{8}$ " dies, cutting  $\frac{1}{4}$ ", 20,

24; No. 6, 32; No. 8, 32; No. 10, 24, 32. Ten taper hand taps, cutting  $\frac{1}{4}$ ", 20, 24, 26;  $\frac{5}{16}$ ", 24, 28;  $\frac{3}{8}$ ", 24;  $\frac{1}{2}$ ", 24;  $\frac{9}{16}$ ", 24;  $\frac{1}{2}$ ", 20 R. & L. Four machine screw taps, cutting No. 6, 32; No. 8, 32; No. 10, 24, 32, and one No. 9 tap wrench.

**No. 2101** ..... Per set

"The Dealers' Interests Are Our Interests."

## Useful Information Regarding Tires

**We carry the guarantee**—We agree with the purchaser of every guaranteed Dunlop or C.C.M. Lucky Tread Tire purchased from us to make good by repair or replacement when delivered to us **transportation charges prepaid**, any imperfection or defect in material or workmanship of such tire not caused by misuse or neglect.

For your convenience we have prepared a **Tire Adjustment Tag** which we will supply free on request.

This enables you to make your own adjustments on the spot, and we will make the same adjustment with you when goods are returned with tag attached.

We reserve the right to discontinue this privilege if it is abused.

**The guarantee does not cover** punctures, tubes damaged by being improperly fitted in their casings, or covers made unsatisfactory through being oil soaked.

**Caution**—All inner tubes should be partially inflated before being fitted. They are then less liable to become pinched.

We recommend the use of good grade tires, and while we sell the low-priced kind, too, we want to remind you that, **especially in rubber goods, quality counts.**

A generous application of **Soapstone** when fitting, will reduce inner tube troubles fifty per cent.

### Canadian Standard Sizes

Measure straight across wheel from centre of underside. A wheel measuring:—

- 17 inches needs a 20-inch tire.
- 19 inches needs a 22-inch tire.
- 20½ inches needs a 24-inch tire.
- 22½ inches needs a 26-inch tire.
- 24½ inches needs a 28-inch tire.
- 26½ inches needs a 30-inch tire.



In Canadian Standard Size the circumference of the Dunlop rim is always the same—whether for 1¼, 1¾, 1½, or 1⅝ tire.

Unless otherwise specially instructed, all tires are supplied for Canadian Standard Size Rims.

### Instructions for Ordering Tires for English Bicycles

Unlike Canadian or American, on English bicycles, the circumference of the rim changes according to the size of tire fitted—the 1¾ rim is greater in circumference than 1½, and the 1½ than the 1⅝. The circumference of English size steel rims for Dunlop wired-on tires is as follows:—

1⅝-78½ inches; 1½-80½ inches; 1¾-81½ inches.

This measurement is taken by passing a tape measure around the extreme edge of the rim—or by marking the rim—giving it one complete revolution on a board and taking the exact distance between the starting and finishing points.

In some cases the markings on the old tire will give this information.

**When ordering, please specify whether covers are required for "Wired-on" or "Clincher" beaded edge rims.**

Where not mentioned, we will supply the "Wired-on" Dunlop type.

### First Class Freight Rate on Bicycle Tires

**Bicycle tires are entitled to first class freight rate, but are frequently charged at 1½ times first class rate.** This is because tires other than Bicycle take the higher rate in the classification. Bicycle tires, however, are entitled to a rating of first-class.

Please check over freight bills carefully and apply for refund in case of overcharge.

Prices Subject to Change Without Notice.

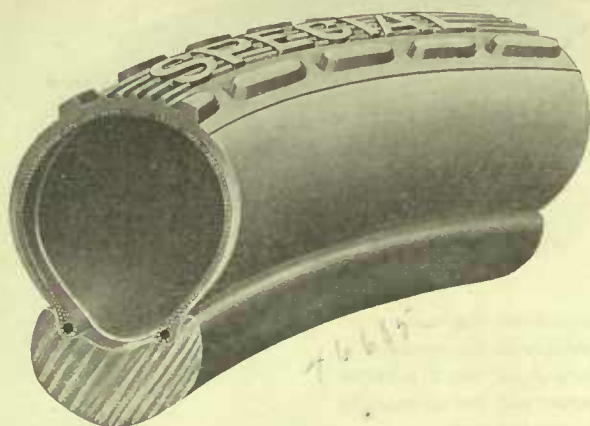


# Dunlop Tires

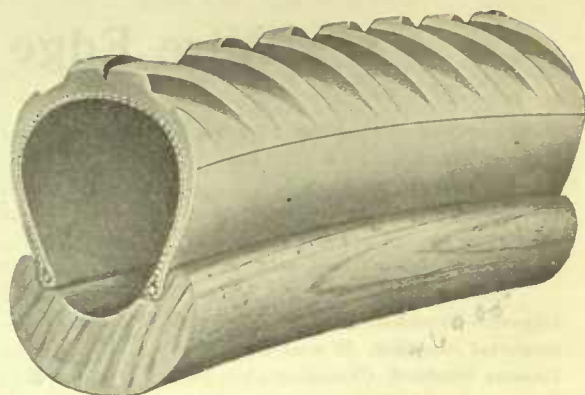
(Made in Canada)

We Carry the Guarantee

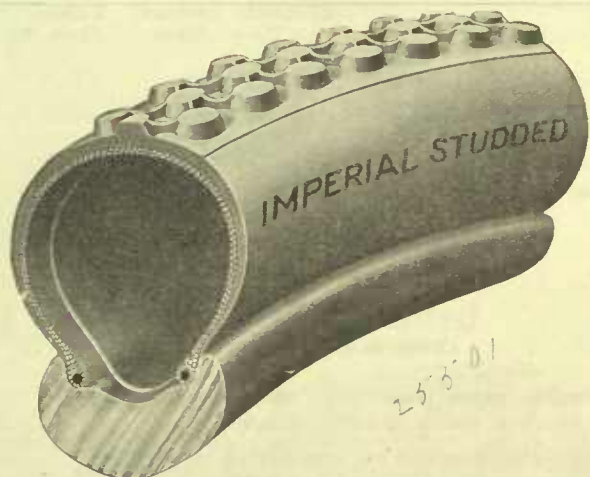
See note on page 62.



**Dunlop Special.**—Guaranteed 12 months. Standard equipment on C.C.M. Grade "A" Bicycles. Complete, pair. Casings, each. 2.25 Tubes, each.



**Dunlop Traction.**—Guaranteed 12 months. Optional equipment on C.C.M. Grade "A" Bicycles. Standard equipment on C.C.M. Motorbike Bicycle. Complete, pair. Casings, each. Tubes, each.



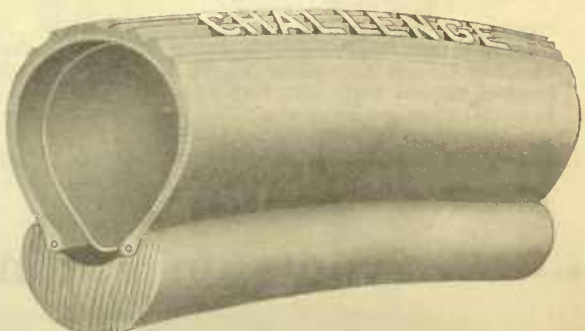
**Dunlop Imperial Studded.**—Guaranteed for one year. Standard equipment on C.C.M. Grade "B" Bicycles. Complete, pair. Casings, each. 2.25 Tubes, each.



**Dunlop Peerless Studded.**—Guaranteed 12 months. Complete, pair. Casings, each. Tubes, each.



**Dunlop Banner Studded.**—Oval button-type tread. Guaranteed for three months. Complete, pair. Casings, each. 1.75 Tubes, each.



**Dunlop Challenge.**—Corrugated Tread. 1918 stock. Not guaranteed. Casings, each.

**NOTE.**—We interpret the word "Tire" to mean Cover and Tube; if Cover only required, please specify.

"The Dealers' Interests Are Our Interests."

# Dunlop Tire Price List

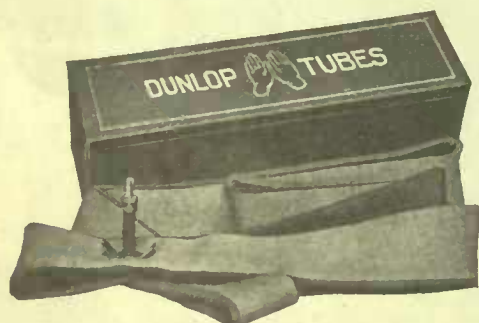
We carry the Guarantee (See note on Page 62)

## Wire Edge Type Tires

	Complete Pair Tires	Casings Each	Tubes Each
Dunlop Peerless Studded, 28 x 1½" only .....	Guaranteed for 12 months		
Dunlop Traction, 28 x 1½" only .....	" " " "		
Dunlop Special, 28 x 1½" .....	" " " "		
Dunlop Special, English sizes, 28 x 1½" only .....	" " " "		
Electric sizes, 28 x 1½" .....	" " " "		
Dunlop Hercules Extra Heavy, 28 x 1½" and Extra Heavy Tube .....	" " " "		
Imperial Studded, 28 x 1½", 26 x 1½" .....	Guaranteed for season		
Imperial Studded, 20 and 24 x 1½" .....	Guaranteed for season		
Banner Studded, Canadian size, 28 x 1½" only .....	Guaranteed for 3 months		
Banner Studded, English size, 28 x 1½" only .....	Guaranteed for 3 months		
Challenge, 28 x 1½" only. (No Challenge Tube made).	Not guaranteed		

## Clincher Type Tires

	Complete Pair Tires	Casings Each	Tubes Each
Hercules Extra Heavy, 28 x 1½", with extra heavy Dunlop Special Tube .....	Guaranteed for 12 months		
G. & J., 28 x 1½" and 1½" .....	" " " "		
Dunlop Special, 28 x 1½" only .....	" " " "		
Imperial, 28 x 1½" .....	Guaranteed for season		
Banner (Old Style Tread), 28 x 1½" only .....	Guaranteed for 3 months		



Dunlop Inner Tube.  
Packed singly in cartons.

## Tubes

(Made in Canada)

All Dunlop Tubes made from same material, but in different weights, which in 28" sizes are:

- Dunlop Extra Heavy, 9 oz., guaranteed 12 months.
- Dunlop Special, 8 oz., guaranteed 12 months.
- Dunlop Imperial, 7 oz., guaranteed 1 season.
- Dunlop Banner, 6 oz., guaranteed 3 months.

Dunlop Special Continuous, 28" (Guaranteed) .....	Each
Dunlop Extra Heavy Continuous, 28" x 1½" (Guaranteed) .....	Each
Clincher G. and J. Continuous, 28" x 1½", 1½" (Guaranteed) ..	Each
Dunlop Special Butt end, 28" (Guaranteed) .....	Each
Imperial Continuous or Butt end, 28" x 1½", 26" x 1½" (Guaranteed)	Each
Imperial Continuous or Butt end, 20" and 24". (Guaranteed) ..	Each
Banner Continuous, 28" x 1½" only (Guaranteed) .....	Each

NOTE.—Dunlop Special Tubes supplied with Peerless Studded, Traction Tread, Dunlop Special and Electric Tires.

Use plenty of Soapstone

## Hints on Putting Tires on Rims

It is advisable to take the wheel out of the frame.

First see that the spokes do not project through the nipples and that the rim is properly taped.

Lay the wheel flat. Lay casing on rim. Inflate the tube slightly. Pull back cover at valve hole, place the valve in the hole and tuck tube inside the cover.

Draw valve out slightly, place cover in rim at valve hole, at the same time pushing the valve as far as possible through the rim.

Commence from the valve to place cover in rim, working half way round the rim to the right, then half way round the rim to the left, finishing at a point opposite the valve.

Inflate tube slightly and spin wheel to see that tire is on evenly all the way around before pumping the tire hard.

Prices Subject to Change Without Notice.



# Tires (Continued)



## "Lucky Tread"

### Tires and Tubes

Guaranteed for the season. 28" x 1½" only.

Complete ..... Per pair  
Casings ..... Each  
Lucky Tread Tubes—28" x 1½" (guaranteed).  
Continuous ..... Each

## Tires, Single Tube

### Enduro



Enduro—Single Tube, 28" x 1½" ..... Per pair

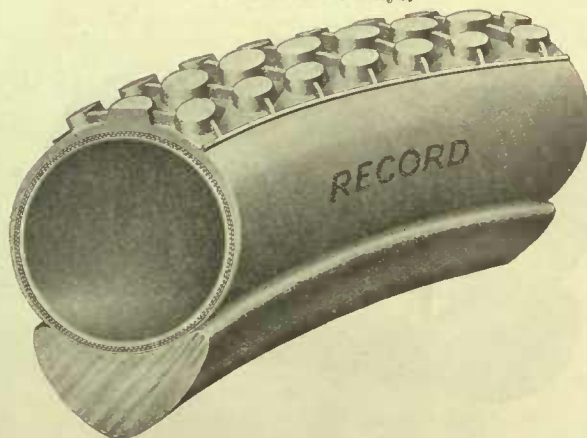
### Brigadier



Brigadier—Single Tube, 28" x 1½" .... Per pair

### "Record" Studded

Guaranteed 60 days.

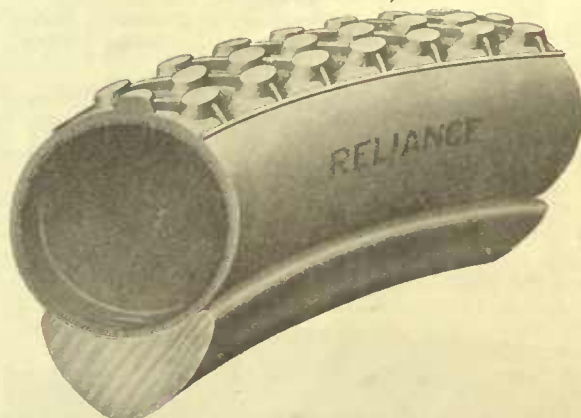


Record—Single Tube, 24" x 1½" ..... Per pair  
Record—Single Tube, 26-28" x 1½" ..... Per pair  
Record—Single Tube, 30" x 1½" ..... Per pair

We do not stock Record Double Tube Tires.

### "Reliance" Studded

(Not Guaranteed.)



Size 28" x 1½" ..... Per pair

### Palmer

(Not Guaranteed.)

Palmer Single Tube Tires are supplied in two styles  
—Road and Light Racing or Track.

Track Racing—26" x 1" x 1½" x 1¼". Per pair

28" x 1" x 1½" x 1¼". Per pair

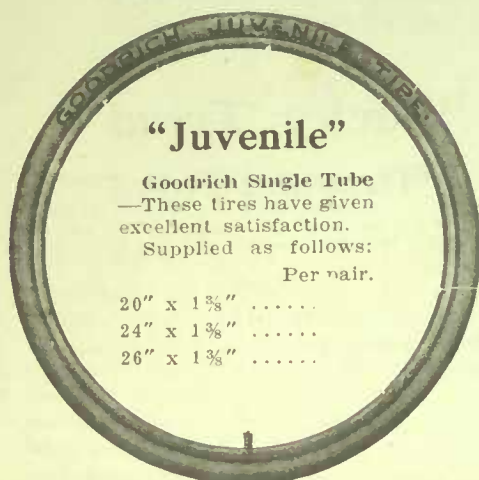
Road Racing—26" x 1½" x 1¼" x 1¾". Per pair

28" x 1½" x 1¼" x 1¾". Per pair



"The Dealers' Interests Are Our Interests."

## Tires (Continued)



## Tires, Carriage, Dunlop Pneumatic Clincher and Wire Edge Type. (Not Guaranteed.)



	Tires Complete Each.	Covers Each.	Tubes Each
Runabout—36" x 1 3/4" . . .			
34" x 1 3/4" . . .			
Stanhope—36" x 2" . . . .			
34" x 2" . . . .			

Butt End Carriage Tubes same price as Runabout and Stanhope in their respective sizes, viz.: 1 3/4", 2".

29 3/4" Rim requires 32" Tire. 31 3/4" Rim requires 34" Tire. 33 3/4" Rim requires 36" Tire.

When ordering, please specify whether Tire is required for Wire Edge or Clincher Type Rim.

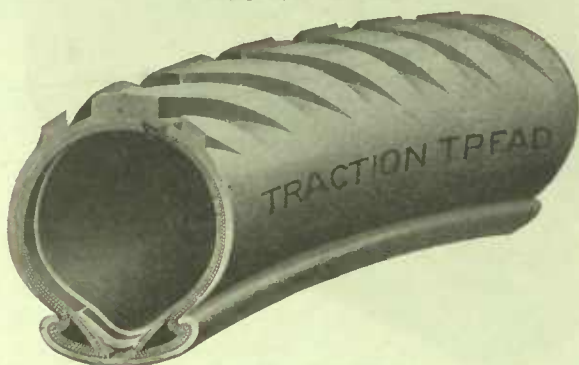


Dunlop Sulky—Wired-on—Guaranteed for season—

	Tires Complete Per Pair.	Covers Each.	Tubes Each.
26" and 28" . . . . .			

## Tires

### Dunlop Motorcycle Traction Tread



Dunlop Traction Tread.

Clincher Type, to fit all standard American Rims.

Size  
Inches.

- \*26 x 2 1/4 for 1912 Rims.
- \*26 x 2 1/2 for 1912 Rims.
- 28 x 2 1/4 for 1912 Rims.
- 28 x 2 1/2 for 1912 and B. B.—O. Rim.
- 28 x 2 3/4 for B. B. and C. C.—M. Rim.
- 28 x 3 for C. C. M. Rim. Extra Heavy Service Type.

\*Also made to fit English size rims.

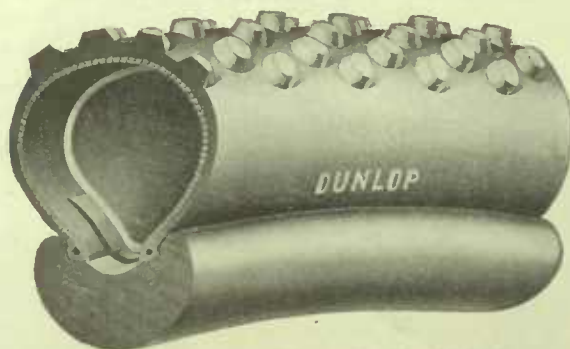
#### Dunlop Rubber Studded.

Clincher Type, for 1912 American Rims only.

In following sizes:—

26 x 2 1/4, 26 x 2 1/2, 28 x 2 1/4.

#### Studded



Wire Edge Type, Rubber Studded Tread.

For Canadian Rims only. For Light Machines. Regular Equipment on C.C.M. Motorcycles. Size 28 x 1 3/4.

NOTE.—When ordering 28" tires state whether required for B. B. or C. C. Rims. B. B. Rims are 1.50 inches (1 1/2") wide between clinches, and C. C. Rims are 1.65 inches (1 13/20") wide between clinches.

Owing to the unsettled conditions of the rubber market, and to the fact that our catalogue is in your hands for a year, we are not giving you prices on motorcycle tires. All prices are subject to change without notice, and we sell at all times at the current Dunlop quotations.

Prices Subject to Change Without Notice.



## Tire Deflator

Saves time and trouble, as you will avoid getting dirt into valve.  
No. 2200 ..... Each



## Tire Levers

(Made in Our Own Factory)

**Tom Thumb**—Will remove the tightest cover from rim with ease. Will not damage rim or injure tire. Nicely finished. For best results use two levers at once.  
No. 2161—Per doz. ....

## Tire Tape



**C. C. M.** (Made in Canada)

Made in the best canvas backing with pure Para rubber, and warranted to retain its adhesive qualities for one year. Supplied in 1 oz., 2 oz., and ½ lb. rolls.

No. 2130—C. C. M., 1-oz. rolls, 16 in 1-lb. carton ..... Per lb.  
No. 2131—C. C. M., 2-oz. rolls, 8 in 1-lb. carton ..... Per lb.  
No. 2132—C. C. M., ½-lb. rolls ..... Each

## Dunlop Electric Reliance



(Made in Canada)

No. 2150—1-oz. roll, 16 in 1-lb. carton... Per lb.  
No. 2151—2-oz. roll, 8 in 1-lb. carton... Per lb.  
No. 2152—½-lb. roll ..... Each

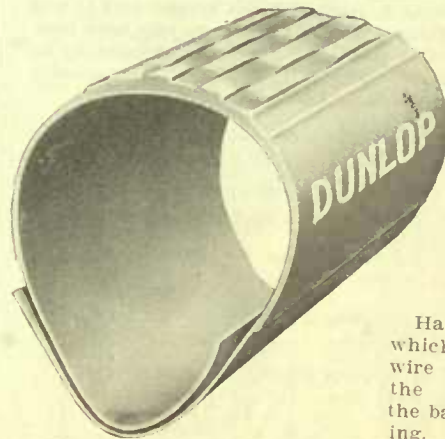
## Tape, White Rim



For taping inside of rim, covering spoke ends, to protect tube. Put up in rolls of 72 yards.

No. 2133...  
Each

(Some of our stock is in 36-yd. rolls, two of which will be supplied in place of one 72-yd. roll.)



## Tire Repair Bands

(Bicycle)

Have two flaps, which fit over the wire edge and under the rim, keeping the band from creeping.

For repairing cuts, blow-outs, etc., on outer cover. Makes a smooth and permanent repair. Width 2" and 4". Two dozen in bundle.

No. 1650—2" x 4" ..... Per dozen  
No. 1651—4" x 4" ..... Per dozen

## Tire Sleeve, Motorcycle



Tough, flexible; wear like iron; fitted with rawhide strap for attaching. A necessity for blow-outs, cut or weakened tire. Supplied in plain tread only.

No. 2180—6" x 7", with straps ..... Each

## Tire Band, Non-Skid Motorcycle



Set of six, for placing at regular intervals on rear wheel; will prevent skidding or slipping in mud, snow, slush, etc.

**Directions**—Strap the sleeve, or non-skid tire band, in desired position and as tightly as possible before tire is fully inflated. Complete inflation and tire will be ready for use.  
No. 2190—Size 3½" x 7" each, with straps ..... Per set of six

## Tire Levers, Motorcycle

One special shaped lever starts tire away from rim, each of other two digs under bead of tire, pulls bead over rim and hooks on to spoke. Levers 7" long, dull finish. Packed in enamel duck case.  
No. 2162 (710)—Per set of three .....

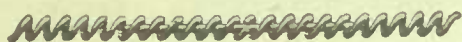


No. 710 Set.



## Tiring, Baby Carriage

North Pole



This brand of Baby Carriage Tiring is very popular with repair men, because it can be easily fitted in much less time than the regular kind, and requires no tire fitting machine. There is positively no waste, and it will not gape open at joint. Will not creep on rim, and having no hollow centre, wears longer. In addition to its unique mechanical features, it is made of high quality rubber, which ensures long life.

No. 2235— $\frac{3}{8}$ " , with Joining Pins, 60 feet in roll.  
Weight per roll 6  $\frac{3}{4}$  lbs. ....Price, per foot

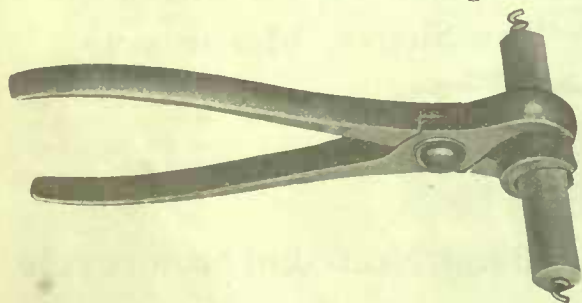
No. 2236— $\frac{7}{16}$ " , with Joining Pins, 60 feet in roll.  
Weight per roll 7 lbs. 10 oz. ....Price, per foot

No. 2237— $\frac{1}{2}$ " , with Joining Pins, 60 feet in roll.  
Weight per roll 9 lbs. 3 oz. ....Price, per foot

No. 2238— $\frac{5}{8}$ " , with Joining Pins, 60 feet in roll.  
Weight per roll 15 lbs. ....Price, per foot

No. 2239— $\frac{3}{4}$ " , with Joining Pins, 60 feet in roll.  
Weight per roll 22  $\frac{1}{2}$  lbs. ....Price, per foot

### Gripping Pliers and Joining Pins for North Pole Tiring



Gripping Pliers.

No. 2245—Gripping Pliers for use in fitting North Pole Tiring .....Each

#### Instructions When Using Gripping Pliers on North Pole Baby Cab Tire.

"In order to obtain a secure grip, it is always advisable to insert a piece of thick cloth (a piece of old cycle cover answers admirably) between the rubber and pliers, as this not only increases the surface to be gripped and so gives a securer hold, but also protects the tiring from damage from the pliers."

### Joining Pins

No. 2240—Extra Joining Pins for sizes  $\frac{3}{8}$ " ,  $\frac{7}{16}$ " ,  $\frac{1}{2}$ " and  $\frac{5}{8}$ " .....Per 100

No. 2241—Extra Joining Pins for size  $\frac{3}{4}$ " .....Per 100

### How to Fit

1. Place tire on bed of rim to get length. In case of a 25" wheel, cut rubber, with a sharp knife, 3" short of the actual circumference. Sever the steel centre with a cold chisel, by placing the cut portion over a piece of steel.

2. Place one of the steel joining pins supplied, 1  $\frac{3}{4}$ " long, in a vise, leaving half of it projecting. (Pins 1  $\frac{3}{4}$ " long are supplied for  $\frac{3}{8}$ " ,  $\frac{1}{2}$ " ,  $\frac{7}{16}$ " and  $\frac{5}{8}$ " tire, whilst  $\frac{3}{4}$ " and larger sections take extra thick pins, 2  $\frac{1}{4}$ " long.)

3. Take one end of the tire already cut, and push same on to the projecting joining pin until the half ( $\frac{7}{8}$ " ) is inserted.

4. Reverse, placing rubber firmly in vise so that the remaining half of joining pin projects from vise, and then repeat method described in paragraph No. 3 with other end of tire.

5. The tire is now complete and may be sprung on to the wheel, taking care to place the joint on the rim first, and stretching evenly all round.

It is important that tires should not be rolled on to rim and left in twisted (unnatural) condition. Strict observance of this will result in greatly increased wear.

### Tiring, Baby Carriage, Regular



Manufactured from superior quality rubber, very resilient, making a smooth, easy running wheel. Will stand a lot of hard service.

This Tire is exceptionally good value at a moderate price, and is very serviceable. Unguaranteed.

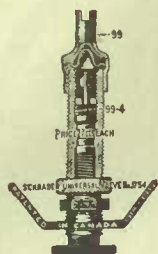
	No. ft. to Per pound. foot.
No. 2220— $\frac{3}{8}$ x 7/64 hole. 60 ft. in roll...	10.81
No. 2221— $\frac{7}{16}$ x 7/64 hole 60 ft. in roll...	8.16
No. 2222— $\frac{1}{2}$ x 7/64 hole. 60 ft. in roll...	5.79
No. 2223— $\frac{5}{8}$ x 7/64 hole. 60 ft. in roll...	3.5
No. 2224— $\frac{3}{4}$ x 1/8 hole. 60 ft. in roll...	2.56
All sizes .....	Per lb.

### Tire Wire, Baby Carriage

No. 2230—No. 15 gauge, half-hard, galvanized  
..... Per lb.



## Valves



**Dunlop Metal Base—**  
This valve is used on all Dunlop Tires. It is positively air tight.

No. 2501...Per 100

### Valve Parts, Schrader



**Valve Cap Rubbers.**

No. 2520...Per 100

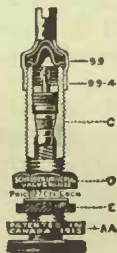


**Valve Caps.**

No. 2521—(500 in box) ....Per 100

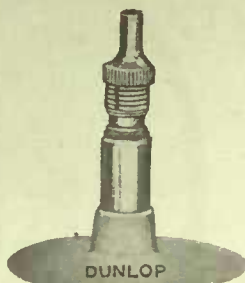
No. 21101 — Heavy Valve Cap (Auto) .....Per 100

### Valve, Dunlop Motorcycle



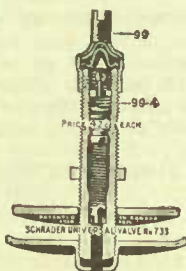
The valve shown here is the well-known Schrader line, universally recognized as standard. All Dunlop Inner tubes are equipped with it.

No. 2500 ..Per 100



**Schrader Rubber Base**  
—Complete with stem.

No. 2503...Per doz



**Oval Base.**

This valve has a detachable base, and makes a much better job than the regular metal base, as it has a larger surface on the tire. Owing to its shape, it cannot pull loose or cut, even if the tire creeps, and will hold firmly in tires full of repair composition.

No. 2505 — (Small) .....Per 100

No. 2506 — (Large) .....Per 100

### Valve Insides



**Schrader Universal Valve Interior.**

Used on all types of pneumatic tire valves.

No. 2535—(5 in tin box, and 20 tin boxes in a carton)...Per 100

"The Dealers' Interests Are Our Interests."

## Valve Tool--- C. C. M.

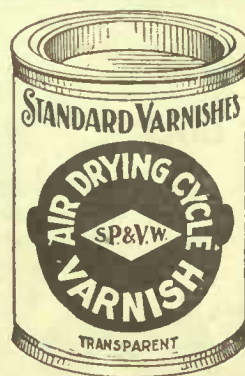


**C.C.M. Valve Tool (4 in 1)**—A very useful article, which will execute four repair operations on a valve.

No. 19101—(25 in box) .....Each

## Varnish

Air Drying and Baking.



Supplied in one-pint tins. Imperial measure.

No. 2553—Air Drying .....Each

No. 2541 — Baking ..... Each

## Vaseline



**Pure Jelly Petrolatum** is attractively put up in bottles and 1-lb. cans.

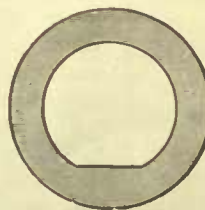
No. 2550 — 5c. bottles (1 doz. in box) ...Per dozen

5c. bottles..Per gross

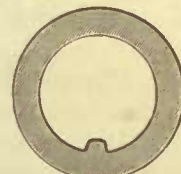
No. 2551—1-lb. cans ..... Each

## Washers

"Key" and "D," Nickelled



"D" Washer.



"Key" Washer.

These washers are used on the crank axle. They are furnished in the following sizes:—

$\frac{5}{8}$ ",  $\frac{11}{8}$ ",  $\frac{3}{4}$ ",  $\frac{13}{8}$ ",  $\frac{7}{8}$ ", 1".

Cannot obtain  $\frac{3}{4}$ " "D" Nickelled Washers.

$\frac{5}{8}$ ",  $\frac{11}{8}$ ",  $\frac{3}{4}$ " .....Per 100

$\frac{13}{8}$ ",  $\frac{7}{8}$ ", 1" .....Per 100

## Washers (Continued)



### Round Nickel-plated Steel Washers.

Nickel-plated. They can be furnished in the following sizes:—

$\frac{3}{16}$ "  $\frac{1}{4}$ "  $\frac{5}{16}$ "  $\frac{3}{8}$ "  $\frac{7}{16}$ " and  $\frac{1}{2}$ ".  
100 in package .....

## Washers, Spoke Nipple Steel Rim

No. 2650—(1,000 in box) ....Per 1,000 \$2.40

## Washers, Wood Rim Spoke Nipple



Plain.

No. 2651—Saw Tooth (1,000 in box)...Per 1,000

No. 2652—Plain (1,000 in box) .....Per 1,000

## Washers, Lock



Put up in a strong tin box of assorted sizes, from  $\frac{1}{4}$ " bolt size to  $\frac{5}{8}$ " bolt size, advancing by sixteenths of an inch.

No. 22000—Price  
per box .....

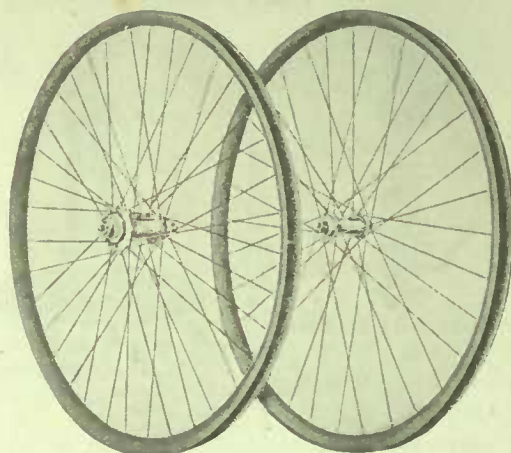
The following sizes sold only in boxes of one hundred:—

$\frac{1}{16}$        $\frac{1}{4}$        $\frac{5}{16}$        $\frac{3}{8}$        $\frac{7}{16}$

Sold only in boxes of fifty:—

$\frac{1}{2}$        $\frac{5}{8}$        $\frac{3}{4}$

## Wheels, Built-up (Less Tires)



We are offering to the trade, wheels complete, less tires. Fitted with Hercules spokes, Dunlop or Crescent rims and hubs as below.

All built-up wheels supplied with 28" Canadian size rims unless otherwise specified.

We also carry sulky wheels complete, less tires, fitted with knock-out axle hubs, Dunlop rims.

No. 2700—Front fitted with No. 1047 (25) Hub.

..... Each

No. 2701—Front fitted with No. 1036 Comfort

Hub ..... Each

No. 2750—Rear fitted with No. 1030 Comfort Hub

(state sprocket required) ..... Each

No. 2751—Rear fitted with Hercules Coaster

Brake No. 308. (State sprocket required). Each

No. 2800—Wheel fitted with Sulky Knock-Out

Axle Hub, No. 1040 ..... Each

Rear Wheels packed 9 to crate.

Front wheels packed 12 to crate.

Front and rear wheel when ordered with striped rims, as listed on page 52, add difference between natural finish and striped rim.

NOTE.—Wheels ordered with striped rims have to be built up after order is received, which causes some delay.

In ordering, specify whether required with Dunlop or Crescent rims.

Owing to extreme shortage of steel rims we have discontinued cataloguing Built-up Wheels with Steel Rims.

## Best Method of Building-up Bicycle Wheels

TO AVOID confusion it is well to lace the nine inside spokes on one side of the hub first. Drop these spokes into the outside countersunk holes of one end of hub. Hold with spoke side of hub toward the operator. Insert spoke into second nipple-hole to right of valve hole. Leave the next three holes to right. In the fourth hole insert the next spoke. Continue in the same way until the nine spokes are laced.

Then turn the wheel with other end of hub upwards and drop the nine outside spokes into their holes. Drop the nine inside spokes into outside countersunk holes on this

side. Each spoke will go into the nipple hole to the right of the opposite spoke already laced, commencing opposite the first spoke laced and working to the right until the nine are done.

This will leave the nine outside spokes hanging loose on the side on which we started. Lace these, each one crossing three spokes to the right and being inserted into the second vacant nipple hole to the right.

Into the nine holes left, drop the nine outside spokes. Turn the wheel over and lace these, each one crossing over three spokes and fitting into the nipple holes left vacant for them.

It will be noted that the holes on one end of hub are not drilled exactly opposite to the holes on the other end, but opposite a point midway between them. This is to allow for the spoke reaching to the rim nipple-hole to the right of the hole taking the spoke from the opposite end of the hub and avoids the necessity of using more than one length of spoke. This applies to both inside and outside spokes.

In tightening the spokes run down each nipple until lower end leaves only last thread of the spoke exposed. To complete tightening be careful to give each nipple the same number of complete turns, in order to keep the wheel true.



## Wrenches



No. 2905-2908.

No. 2905—A well-made wrench of neat design, solid jaws. Opens  $1\frac{1}{4}$  inches. **Nickelled and polished.** (12 in box) .....Per dozen

No. 2908—Same as No. 2905, but in **unpolished nickel** finish. (12 in box) .....Per dozen



No. 2901 (103)—A well made wrench with drop forged solid jaws, **nickel-plated.** Length  $5\frac{1}{2}$ ", jaws  $\frac{3}{4}$ " x  $\frac{1}{4}$ ", opens  $1\frac{1}{2}$ ". Weight  $5\frac{1}{2}$  oz. ....Per doz



A 2.

Length  $5\frac{1}{2}$ ". Opens  $1\frac{5}{8}$ ". **Mottled finish.**

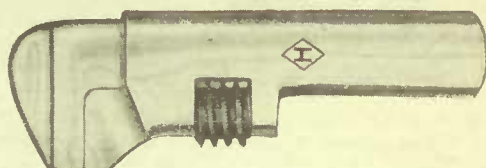
No. 2906 (A2)—(12 in box) .....Per dozen



A3—Tire Lever Wrench.

Length 6". Opens  $1\frac{1}{4}$ ". **Nickel-plated.**

No. 2902 (A3)—(12 in box) .....Per dozen



No. 22012 (105)—A handsome, high grade wrench, all steel construction, drop forged, **mottled finish.** Length  $4\frac{1}{4}$ ", jaws  $\frac{3}{4}$ " x  $\frac{1}{4}$ ", opens  $1\frac{1}{2}$ ". Weight  $6\frac{1}{4}$  oz. ....Per dozen

### Wrench, Pedal, Shop

Specially adapted for attaching and detaching pedals. Opening  $\frac{5}{8}$ ".

No. 2907 .....Dozen

### Wrench, B. & S. Shop



B. &amp; S.

B. & S. Shop Wrench—Total length 8". Opens  $1\frac{1}{2}$ ". Thickness of jaw  $\frac{3}{8}$ ". Depth of jaw  $1\frac{1}{4}$ ". Weight  $16\frac{1}{2}$  oz.

For use on bicycles, motorcycles, automobiles, etc. Drop forged from bar steel. **Semi-finished.**

No. 2912 .....Each

### Wrench, Sprocket



No. 2913.

Sprocket—To remove rear sprockets from the hub. Made from malleable iron and fitted with six inches of bicycle chain.  $\frac{3}{16}$  x  $\frac{1}{2}$  pitch (suitable for  $\frac{1}{2}$ " or 1" pitch sprockets). Enamel finish.

No. 2913 .....Each

## Wrenches (Continued)

### Motorcycle Wrench

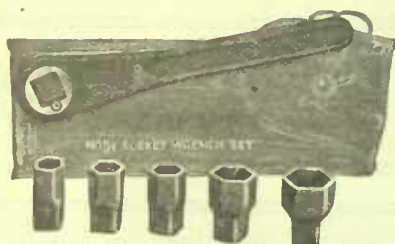


Patent Telescope Wrench.

Finest steel construction. Mottled finish. Dimensions: When closed 6", open 8"; jaws  $\frac{5}{16}$ " thick,  $1\frac{1}{8}$ " deep. Weight 10  $\frac{3}{4}$  ounces.

No. 2914 (76)—Each in carton (12 in box)....  
.....Per dozen

### Socket Wrench Set



Consists of a ratchet handle and five sockets for hexagon nuts,  $\frac{1}{2}$ ",  $\frac{11}{16}$ ",  $\frac{13}{16}$ ",  $\frac{31}{32}$ ",  $\frac{1}{2}$ ". Semi-finished. Put up in a strong enamelled duck case.

No. 2915 .....Per set

### Engineer's Wrench Set

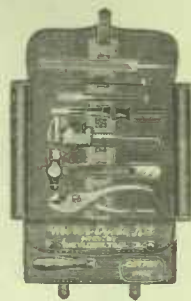


Set consists of four thin model wrenches, having nine different openings, as follows:— $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{11}{16}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ",  $\frac{11}{8}$ ",  $\frac{3}{4}$ " and Alligator. Packed in canvas kit.

No. 2916 (715) .....Per set

### Tool Kit

We have selected for this kit an assortment of tools that are light but strong, and nicely finished. The hammer is drop forged in one piece, and the end of the handle is shaped into a tire tool.



No. 2250.

The Kit consists of the following tools in a leatherette case with straps.

7" Black Monkey Wrench.

5" Nickel-plated, Adjustable Combination Pliers.

2" Square Shank Screw-driver.

6" Flat File, with handle.

4 oz. Hammer and Tire Tool.

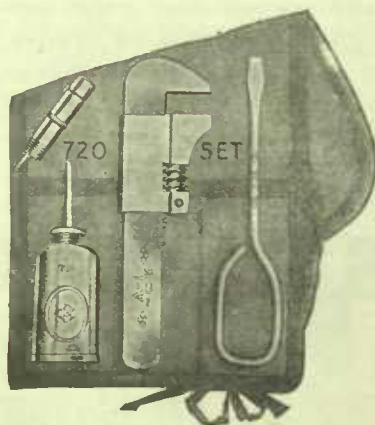
$\frac{3}{8}$ " Drift Punch, Half Polished.

$\frac{3}{8}$ " Cold Chisel, Half Polished.

1 Box Assorted Cotter Pins.

No. 2250 .....Each

### Bicycle Tool Set



Contains one wrench (No. 2908), unpolished, nickel finished.

One oiler (No. 1376), nickel-plated.

One wire screwdriver (No. 655), carefully tempered and nickel-plated.

Wrapped in neat brown canvas tool-roll.

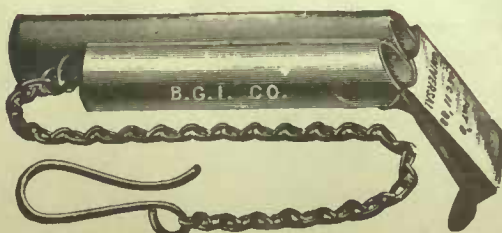
No. 2918 .....Per set

## Whistles

### Universal

No. 2670—It is nicely nickel-plated (1 dozen in box) .....

Per doz., \$5.20



### The Echo Call

No. 2671—Made of brass, highly finished and nickel-plated (1 doz. in box)

Per doz





# AUTOMOBILE ACCESSORIES

## Columbia Batteries

### Columbia Multiple, Multiplex and Hot Shot Batteries

There are a great many places where a unit battery is desirable, and often conditions are found which preclude the use of a single series set of coils, or even a single series set of coils loosely connected. In this case a series multiple battery of dry cells, or a unit battery

of even a single set of cells in series will successfully accomplish the work.

Such service is represented by boat lighting, electric vibrator massage machines, refrigerator lights, auto horns, etc.

(Made in Canada)



Type 356.

#### Columbia Multiple Battery.

Every cell is insulated from the case and from the other cells in such a way as to make a water-proof and practically damage-proof unit battery. Enclosed in a hermetically sealed, handsomely enamelled metal case, with convenient handles for carrying.

(Not carried in stock at Winnipeg Branch.)

Type	Voltage	Length in.	Width in.
356	7 ½	13 ¾	8 ½
Height over all		Weight lb.	Price
8 ¾		50	



Type 356.

#### Columbia Multiplex Battery.

The only difference between this battery and Columbia Multiple is that the Columbia Multiplex is furnished with a wooden case.

(Not carried in stock at Winnipeg Branch.)

Type	Voltage	Length in.	Width in.
356	7 ½	14 ¾	8 ¾
Height over all		Weight lb.	Price
8		44	



Type 1562.

#### Columbia Hot Shot Battery.

A unit battery in an attractive red, moisture-proof case. Particularly useful for ignition, where the variety of sizes makes it adaptable for motors of all sorts—stationary, vehicle or motor boat. It is very satisfactory for carriage lighting outfits.

Type	Voltage	Length in.	Width in.
1561	7 ½	13 ¾	2 ¾
1562	7 ½	8	5
Height		Wt. of Std. Pkg.	Std. Price Pkg.
in.		lb.	
7 ½		284	20
7 ½		274	20

## Explanation of Tables

The type number indicates the number of cells in the battery and the voltage; and if there is a fourth figure, it indicates whether the

cells are arranged in one row or two.

A 1562 Battery is, therefore, made up of one cell in multiple, giving a short circuit current of

about 25 amperes; 5 cells in series, giving a voltage of 7 ½. The battery is made up of 6-inch cells, and is made in two rows.

## Columbia 3-Volt Battery

(Made in Canada)

Can be used for any three volt lighting on cars and to fit any commercial hand lantern now on the market. We are prepared to furnish a three-volt battery in the same size as our regular No. 6 cell. Care should be taken to use a three-volt bulb with this battery. When ordering state whether required with or without connections on top.

(Not carried in stock at Winnipeg Branch.)

- No. 1015—Price, in lots of less than \$5.00 worth at wholesale prices ..... Each
- No. 1015—Price, in lots of from \$5.00 to \$75.00 worth at wholesale prices ..... Each
- No. 1015—Price, in lots of over \$75.00 worth at wholesale prices. .... Each



With Connections on Top.



Without Connections on Top.

# Columbia & Columbia Ignitor Dry Cells

(Made in Canada)



Columbia and Columbia Ignitor Dry Cells Furnished in Square Cartons or with Fahenstock Connections if Desired.

## Future Delivery Prices Not Guaranteed

We cannot guarantee prices for future delivery on Columbia or National Batteries; but we will accept Battery orders for future delivery at prevailing prices at time of shipment.

		Sizes of Zinc Cans	Price each Per Bbl.	Price each Broken Lots
No. 1010—National Ignitor	No. 6	2 1/2" x 6"		
No. 1013—Columbia Ignitor	No. 6	"		
No. 1014—Columbia Regular	No. 6	"		

## Carbide



### C.C.M.

Put up specially for automobiles and motor boats. The best brand Calcium Carbide.

No. 2030—5 lb. tins. (1 doz. in wooden case.) Price, doz. ....

No. 2028—100 lb. drums. Price, each .....

### M. & M.

A patch applied with ordinary cement to an inner tube is not a permanent repair, but a patch applied with M. & M. Cement will effect a perfect union. Exceptional quality.

No.	Size	Price Per doz.
2330—	1/4 pint	.....
2331—	1/2 pint	.....
2332—	1 pint	.....
2333—	1 quart	.....



This special Rim Chain Connector is used on both "C.C.M. Dreadnaught" and "Maxim Imperial" Chains. This connector is the only type which allows the user to adjust chain properly with a minimum of effort. Positively prevents loss of chains by becoming disconnected.

No. 2813—Right, per 100 .....

## Chain Lever Hooks



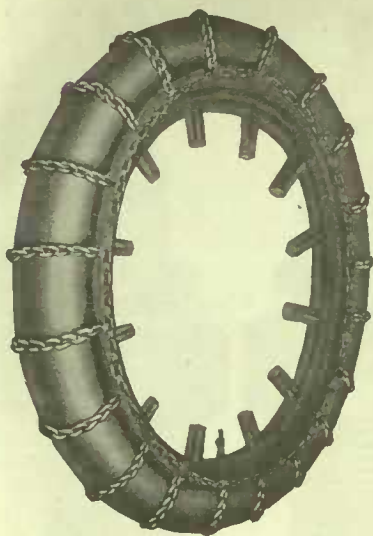
(Made in Canada)

No. 2814—Left, per 100 .....

Prices Subject to Change Without Notice.



## Chains--"C.C.M. Dreadnaught" Tire Chains



(Made in Canada)

Although lower in price than some others on the market, they are made to a quality standard that cannot be excelled, regardless of price.

The Electric Welded Cross Sections, after being inspected and tested, are carefully bone-hardened, resulting in links with a diamond-hard surface and tough inner core, thus assuring a maximum of strength and wear.

Packed one pair in a strong canvas bag.

The Rim Chain is galvanized and Cross Chains copper plated to prevent rust.

A special Lever Rim Chain connector, on which is stamped "Dreadnaught," is used on these chains. (See illustration below.)

Dreadnaught Chains are guaranteed as to quality of material and workmanship, and to give at least same service as the highest priced chain on the market.

No.	Size	Code Word	Per pair	No.	Size	Code Word	Per pair
2074	30 x 3 1/2	Slip		2083	35 x 4		
2079	31 x 4	Positive		2089	34 x 4 1/2	Not	
2070	32 x 3	On		2090	35 x 4 1/2		
2075	32 x 3 1/2	Hills		2084	36 x 4	We	
2080	32 x 4	Or		2091	36 x 4 1/2	Can	
2081	33 x 4	Mud		2098	36 x 5	Deliver	
2076	34 x 3 1/2	You		2092	37 x 4 1/2		
2082	34 x 4	Are		2099	37 x 5	At	

## "Maxim Imperial" Tire Chains

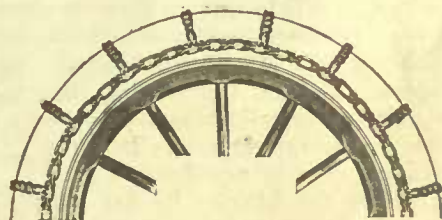
While better value is obtained by purchasing C.C.M. Dreadnaught Chains, Maxim Imperial Chains are satisfactory for light cars, and purchaser will obtain full value.

The special Lever Rim Chain Connector is supplied. (See illustration below.)

The Rim Chain is 1/32" heavier than supplied on other chains of this grade, giving the chain greater durability.

The Cross Sections are polished and not hardened. None of the low priced chains have hardened Cross Sections.

Serial No.	Size.	Price per pair	Serial No.	Size.	Price per pair
2522	30 x 3 1/2		2532	36 x 4	
2523	32 x 3 1/2		2537	34 x 4 1/2	
2524	34 x 3 1/2		2538	35 x 4 1/2	
2527	31 x 4		2539	36 x 4 1/2	
2528	32 x 4		2540	37 x 4 1/2	
2529	33 x 4		2546		
2530	34 x 4		2547		
2531	35 x 4				



(Made in Canada)

## Maxim Imperial Repair Cross Chains

(Made in Canada)

These Cross Chains are copper plated to prevent rust.

Per 100

No. 2788—3 1/2"	.....
No. 2789—4"	.....
No. 2790—4 1/2"	.....
No. 2791—5"	.....

## C.C.M. Dreadnaught Repair Cross Chains

(Made in Canada)

Electrically welded and carefully bone-hardened, resulting in links with a diamond-hard surface and tough inner core, assuring maximum strength and wear. Copper plated to prevent rust.

Prices per 100

No. 2151—3"	.....
No. 2152—3 1/2"	.....
No. 2153—4"	.....
No. 2154—4 1/2"	.....
No. 2155—5"	.....

## Chain Repair Links

(Made in Canada)

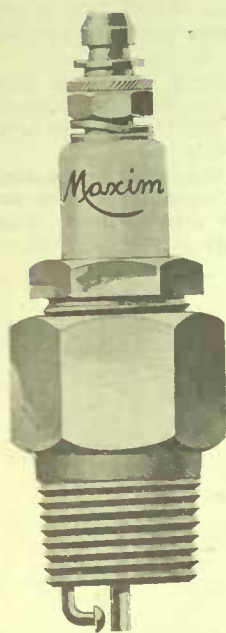
For repairing broken Cross Sections.

No. 11082—Per 100 ...



# Maxim Spark Plugs

(Made in Fuse Department of Russell Motor Car Company's Plant.)



No. 1490— $\frac{1}{2}$  inch  
(Three - in - One  
Terminal. Price,  
each .....

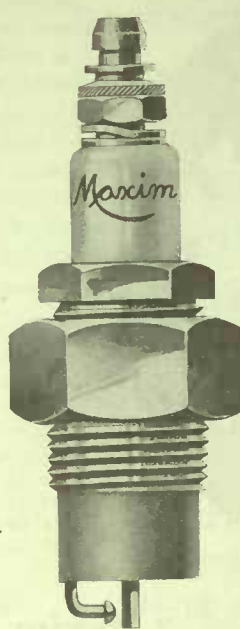


No. 1491—A.L.A.M.  
(Three - in - One  
Terminal). Price,  
each .....

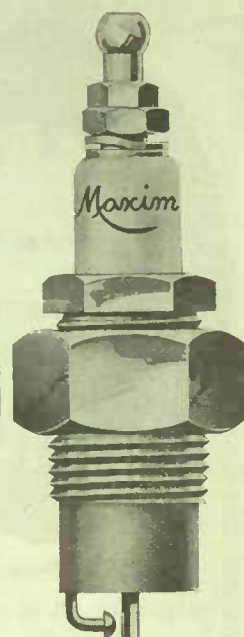
Improved  
Design

Three-in-One  
Terminals

Accurate as a  
Time Fuse



No. 1494—A.L.A.M.,  
Long (Three-in-  
One Terminal).  
Price, each,



No. 1501 — Special  
Chevrolet A.L.A.  
M., Long (special  
Chevrolet Termin-  
al). Price, each  
.....

(Each Spark Plug Packed in a Neat Carton)

**G**UIDED by our previous experience and by a careful study of the principal Spark Plugs on the market, the design has been improved in several important respects. It is no exaggeration to say that we now consider the Maxim by far the best Spark Plug yet produced.

**The Three-in-One Terminal** does 50% more work than any other, and 200% more than most terminals. It takes the place of a slip terminal, a Buick and a screw connection terminal. It will therefore fit practically any make of Motor Car sold in Canada. The advantage of this to both dealer and motorist is apparent.

**A Special Chevrolet Model** is also supplied.

The heavy **Ball Point**

which has always been a feature of higher grade Maxim Spark Plugs has been retained. Experience has proven that the Ball Point gathers a heavy pressure of current and produces a strong, rich spark, about **50% more powerful** than is obtainable by the use of other styles of points.

An interesting experiment to prove this to your satisfaction is to hold a number of thin sheets of paper in the course of a spark. The Maxim Spark will burn through twelve sheets, as against eight sheets penetrated by the spark of any ordinary plug.

**"Accurate as a Time Fuse"** is literally true of the new Maxim Spark Plug. It is made by mechanics who have been accustomed to working to a variation of not over .002, or 2-1000 of an inch, in making the delicate mechanism of

a time fuse. Automatic machines of equal accuracy are used, and the designs, gauges and tools are similarly exact. As a result, all parts are interchangeable.

**Allowance has been made** in the design for the expansion of the various parts, for variation in the thickness of the porcelains, etc., and, in short, nothing has been neglected to insure the giving of the very best service under all conditions.

Seeing is believing, however, and we suggest that you try this improved Spark Plug for yourself. Our tests have convinced us that it is an article which it will pay dealers well to push, and which they can safely recommend.



No. 1502.  
Chevrolet.

## Porcelains for Maxim Spark Plug

Only two models are now required.

No. 1495—Regular Porcelain, with Three-in-One Terminal ..... Price, each  
No. 1502—Special Porcelain, with Chevrolet Terminal ..... Price, each

No. 1495.  
Regular



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